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University of Kentucky

Analyses of Commercial Fertilizers

BULLETIN NO. 325



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BULLETIN NO. 325

Analyses of Commercial Fertilizers

By H. E. CURTIS, H. R. ALLEN AND LELAH GAULT

This Bulletin gives the names of all brands of fertilizer registered in this State during the year 1931, the names of the manufacturers and the official analyses.

Those interested in the use of fertilizers for different crops should apply to the College of Agriculture, the Experiment Station, or to their County Agents, and such literature as bears on the subject in which they are interested will be furnished. Bulletins Nos. 322 and 331 of the Experiment Station, showing the results obtained on the soil experiment fields, are of special interest to all users of fertilizers.

Samples Analyzed

During the year, 732 brands of fertilizer were registered as follows:

Complete fertilizers, containing all three of the essential ingredients—phosphoric acid, nitrogen and potash	467 brands
Nitrogenous superphosphates	14 brands
Superphosphates and potash mixtures	54 brands
Superphosphates	110 brands
Bones, tankage, etc.	47 brands
Nitrate of soda, sulfate of ammonia, etc.	31 brands
Potash salts	8 brands
Nitrogen and potash salts	1 brand

We have analyzed 823 samples of fertilizer collected by our inspectors or sent in by various persons in the State, in addition to the official samples. These analyses are to be found in the following pages, and have been divided into two groups. The first group, Table I, contains all analyses that are considered satisfactory, either because the analyses run high in all respects, or the deficiency in one ingredient is fully met by the excess in another. The second group, Table II, contains those analyses that are considered deficient.

As has been our custom, we have shown an index of relative value for the purpose of comparison. The following factors were used in computing these values:

Available phosphoric acid in mixed fertilizers.....	1.5
Available phosphoric acid in superphosphates	1.2
Phosphoric acid in bone	1.0
Nitrogen in all fertilizers	4.0
Potash from muriate	1.2
Potash from sulfate	1.5

Explanation of the Tables

In the tables of analyses, following the name of each brand, will be found the analyses of such samples as have been collected by our inspectors, sent in by farmers, or furnished by the manufacturer, and the manufacturer's guaranty, printed last, in italic figures. In Table II, the figures in bold-face type are those results which are considered too low to be acceptable. Sometimes the same brand of fertilizer will be found in both Tables I and II, in which case it is marked in each table with a (†) dagger.

There are a number of samples in which the potash is guaranteed from sulfate and the analysis shows the potash classed as muriate. Some of these analyses have been placed in Table I, while others were placed in Table II.

Effective January 1, 1930, the following standards were made in an effort to raise the grade of the formulas sold in the State:

1. Complete fertilizers must contain a minimum of 14 percent of nitrogen, phosphoric acid and potash, the nitrogen and potash being not less than 2 percent each.
2. Ammoniated phosphates must contain 14 percent of nitrogen and phosphoric acid, the nitrogen being not less than 2 percent.
3. Phosphate and potash mixtures must contain 14 percent of phosphoric acid and potash, the potash being not less than 4 percent.
4. Superphosphates must contain not less than 16 percent of available phosphoric acid.



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TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
2077	Alabama Chemical Company of Red Cross Fertilizer.....	Ala., Montgomery, Ala. Manufacturer
2444	Red Cross Tobacco Fertilizer.....	Guaranteed
2079	Red Cross Extra Fertilizer.....	R. W. Scates, Crofton
2445	Red Cross Acid and Potash.....	Guaranteed
2446	Red Cross Superphosphate 16%.....	Manufacturer
2826		Guaranteed
2447	Red Cross Gold Medal Fertilizer.....	R. W. Scates, Crofton
2414	Red Cross Superphosphate 20%.....	Guaranteed
2426	Red Cross Tobacco Mixture.....	R. W. Scates, Crofton
		Guaranteed
2180	American Agricultural Chemical Co., Inc., Cincinnati, O.	
2449	A. A. Corn and Wheat Phosphate.....	T. I. Smith, Cane Valley.....
2827		Chas. Cornwell, Rothwell
1776	A. A. Tobacco and Truck Fertilizer.....	Flanagan Brothers, Russell Springs.....
2181	A. A. Kentucky Tobacco Grower.....	Guaranteed
2450		Manufacturer
2451		Guaranteed
2452		C. Y. White, Sonora
1778	A. A. Sure Crop Fertilizer.....	Geo. W. Hill and Co., Covington.....
1779	A. A. 20% Superphosphate.....	Harlan Fruit Co., Middlesboro.....
1780	A. A. 16% Superphosphate	Geo. T. Gillum and Son, Russellville.....
1781	A. A. Ground Bone.....	Guaranteed
2182	A. A. 0-10-4 Mixture	Manufacturer
2183		Guaranteed
2184		Estes and Hines, Science Hill.....
2185		T. I. Smith, Cane Valley.....
		J. W. Schoolcraft, Somerset.....
		E. S. Ferrill and Sons, Buffalo.....
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
3.16	3.16	10.40				3.55		32.5	2077
	3.00	10.00				3.00		30.6	
2.70	2.70	8.45				6.29		31.0	2444
	3.00	8.00				6.00		31.2	
4.26	4.26	10.35				4.33		37.8	2079
	4.00	10.00				4.00		35.8	
		10.90				3.77		20.9	2445
		10.00				4.00		19.8	
		17.10						20.5	2446
		17.00						20.4	2826
		16.00						19.2	
4.33	4.33	12.45				3.84		40.6	2447
	4.00	12.00				4.00		38.8	
		21.95						26.3	2414
		20.00						24.0	
2.34	2.34	7.20				7.28		28.9	2426
	2.00	8.00				6.00		27.2	
2.11	2.11	10.15				2.15		26.3	2180
2.00	2.00	10.45				2.19		26.3	2449
2.19	2.19	10.00				2.09		26.3	2827
	2.00	10.00				2.00		25.0	
2.12	2.12	8.65				0.48	4.53	28.8	1776
	2.00	8.00					5.00	27.5	
2.09	2.09	10.45				2.17		26.6	2181
2.47	2.47	10.50				2.41		28.5	2450
2.24	2.24	10.70				2.23		27.7	2451
2.21	2.21	10.10				2.27		26.7	2452
	2.00	10.00				2.00		25.4	
1.98	1.98	8.00					4.25	26.3	1778
	2.00	8.00				4.00		24.8	
		20.30						24.4	1779
		20.00						24.0	
		16.35						19.6	1780
		16.00						19.2	
	2.17		28.20	75	25			36.9	1781
	1.65		27.00					33.6	
		10.35				4.68		21.2	2182
		10.50				4.16		20.7	2183
		10.40				4.11		20.5	2184
		10.70				4.17		21.1	2185
		10.00				4.00		19.8	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
2186	American Agricultural Chemical	Co., Inc., Cincinnati, O.—Con.
2187	A. A. Basic Lime Phosphate.....	Clem Keltner, Campbellsville.....
2453		Ben and Effie Harrison, Austin.....
2828		J. C. Everett and Co., Maysville.....
2829		E. S. Ferrill and Sons, Buffalo.....
2830		Lebanon Carr'ge and Impl. Co., Lebanon
		J. M. Johnson, Benton.....
		Guaranteed
2454	A. A. Burley Tobacco Grower.....	Richardson and Greer, Mt. Sterling.....
		Guaranteed
1786	A. A. Paramount Fertilizer.....	Manufacturer
		Guaranteed
1787	A. A. H. Gr. Tobacco Grower.....	Manufacturer
		Guaranteed
2188	A. A. Corn and Cotton Grower....	Pollard Bros., Croppers.....
2189		C. Y. White, Sonora
2831		George Richardson, Somerset
		Guaranteed
1789	A. A. High Potash Tobacco Grower	Manufacturer
		Guaranteed
2455	A. A. Top Notch Fertilizer.....	W. R. Jones, Utica
		Guaranteed
2456	A. A. Antler Fertilizer.....	Yopp Seed Co., Paducah
		Guaranteed
2190	Agrico for Corn	Otto Keith, Upton
		Guaranteed
2832	Agrico for Potatoes	Watson Coal and Feed Co., Princeton....
		Guaranteed
2191	Agrico for Tobacco	J. W. Schoolcraft, Somerset.....
2192		V. R. Sanders, Rocky Hill
2193		Clem Keltner, Campbellsville
2457		Campbellsburg Coal Co., Campbellsburg
		Guaranteed
2194	Agrico for Grain	J. W. Schoolcraft, Somerset.....
2833		H. D. Jones, Glasgow
2834		J. W. Schoolcraft, Somerset.....
		Guaranteed
2458	Agrico for Truck	Harlan Fruit Co., Middlesboro
		Guaranteed
1797	Agrico	Manufacturer
		Guaranteed
2195	Bowker's High Grade Tobacco Grower	Pollard Bros., Croppers
		Guaranteed
2459	Bowker's High Potash Tobacco Grower	Harlan Fruit Co., Middlesboro
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
		13.85						16.6	2186
		14.30						17.2	2187
		14.65						17.6	2453
		14.10						16.9	2828
		13.85						16.6	2829
		14.50						17.4	2830
		14.00						16.8	
3.14	3.14	9.15				6.15		35.5	2454
	3.00	8.00					6.00	33.0	
3.02	3.02	7.95				6.06		31.3	1786
	3.00	8.00				6.00		31.2	
3.07	3.07	10.60				0.72	2.31	32.5	1787
	3.00	10.00					3.00	31.5	
2.17	2.17	11.45				2.61		29.0	2188
2.09	2.09	11.85				2.38		29.0	2189
2.24	2.24	12.30				2.24		30.1	2831
	2.00	12.00				2.00		28.4	
1.99	1.99	8.05				10.56		32.7	1789
	2.00	8.00				10.00		32.0	
9.43	10.36	6.90				4.44		57.1	2455
	10.00	6.00				4.00		53.8	
2.21	2.21	12.45				6.36		35.2	2456
	2.00	12.00				6.00		33.2	
3.01	3.01	10.55				6.36		35.5	2190
	3.00	10.00				6.00		34.2	
3.88	3.88	8.60				5.97		35.6	2832
	4.00	8.00				6.00		35.2	
3.75	4.01	10.85				1.08	5.31	41.6	2191
3.95	4.23	10.35				0.64	5.66	41.7	2192
3.80	4.03	10.35				0.72	5.44	40.7	2193
4.08	4.08	10.55				0.68	5.80	41.7	2457
	4.00	10.00					6.00	40.0	
2.15	2.15	12.05				4.39		32.0	2194
2.05	2.05	12.25				4.19		31.6	2833
1.90	1.90	12.10				4.01		30.6	2834
	2.00	12.00				4.00		30.8	
4.78	4.78	10.20				5.30		40.8	2458
	5.00	10.00				5.00		41.0	
5.06	5.06	8.55				0.68	5.51	42.2	1797
	5.00	9.00					6.00	42.5	
2.96	2.96	10.25				0.56	2.52	31.7	2195
	3.00	10.00					3.00	31.5	
2.04	2.04	7.70				10.15		31.9	2459
	2.00	8.00				10.00		32.0	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
2460	American Agricultural Chemical Bowker's Tobacco Grower.....	Co., Inc., Cincinnati, O.—Con. Farmers Supply Co., Scottsville Guaranteed
2196	Bowker's Harvest Queen Fertilizer	J. W. Thompson, King's Mountain Guaranteed
2461	Bowker's 20% Superphosphate	Mayhew Feed Co., Franklin
2462		Bokhara Seed Co., Falmouth
2835		J. W. Schoolcraft, Somerset..... Guaranteed
2197	Bowker's 16% Superphosphate	J. W. Schoolcraft, Somerset
2463		Mayhew Feed Co., Franklin
2836		J. W. Schoolcraft, Somerset
2837		I. D. Jones, Allegree
2198	Bowker's Paramount Fertilizer....	Guaranteed
2464		Harvey Stout and Son, Buechel..... Bokhara Seed Co., Falmouth..... Guaranteed
1805	Bowker's Burley Tobacco Grower	Manufacturer
2465	Michigan Carbon Paramount Fertilizer	Guaranteed
2466		O. K. McKay, Lawrenceburg
2467		Myers, Lambert and Wilson, Carlisle....
2468		C. P. Clark and Son, Owensboro..... J. E. Bryant, Scottsville..... Guaranteed
2199	Michigan Carbon Homestead Tobacco Grower	Woodson Lewis and Son, Greensburg....
2200		Lebanon Carr'ge and Impl. Co., Lebanon
2201		E. S. Ferrill and Sons, Buffalo.....
2469		Sullivan Milling Co., Sullivan
2202	Michigan Carbon Homestead Bone Black Fertilizer	Guaranteed
2203		T. I. Smith, Cane Valley.....
2204		J. W. Schoolcraft, Somerset.....
2205		E. S. Ferrill and Sons, Buffalo.....
2838		Ben and Effie Harrison, Austin.....
2839		Mayhew Feed Co., Franklin.....
2840		J. W. Schoolcraft, Somerset
2206	Michigan Carbon Homestead High Potash Tobacco Grower....	Lebanon Carr'ge and Impl. Co., Lebanon Guaranteed
2470		Otto Keith, Upton
2471		J. M. Johnson, Benton
2472		Myers, Lambert and Wilson, Carlisle.... Richardson and Greer, Mt. Sterling..... Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
2.00	2.00	8.50				0.64	4.32	28.0	2460
	2.00	8.00					5.00	27.5	
2.04	2.04	8.80				4.11		26.3	2196
	2.00	8.00				4.00		24.8	
		21.25						25.5	2461
		21.05						25.3	2462
		20.50						24.6	2835
		20.00						24.0	
		16.70						20.0	2197
		16.75						20.1	2463
		16.55						19.9	2836
		16.90						20.3	2837
		16.00						19.2	
3.09	3.09	8.15				5.94		31.7	2198
3.11	3.11	8.05				6.16		31.9	2464
	3.00	8.00				6.00		31.2	
3.10	3.10	8.65				0.80	5.94	34.1	1805
	3.00	8.00					6.00	33.0	
3.16	3.16	8.60				6.27		33.1	2465
3.13	3.13	8.45				6.15		32.6	2466
3.11	3.11	8.55				5.95		32.4	2467
3.32	3.32	8.15				6.32		33.1	2468
	3.00	8.00				6.00		31.2	
3.06	3.06	10.25					3.18	32.4	2199
2.80	3.01	9.55					3.08	31.0	2200
2.88	3.03	9.40					3.13	31.1	2201
2.89	2.89	10.30				0.56	2.41	31.3	2469
	3.00	10.00					3.00	31.5	
3.04	3.04	9.05				2.19		28.4	2202
2.82	3.02	9.05				2.26		28.4	2203
3.06	3.06	8.70				1.99		27.7	2204
2.84	3.05	8.25				2.13		27.1	2205
3.07	3.07	9.15				2.41		28.9	2838
2.98	2.98	9.40				2.00		28.4	2839
2.88	2.88	9.25				2.51		28.4	2840
	3.00	9.00				2.00		27.9	
2.05	2.05	7.85				10.02		32.0	2206
2.13	2.13	8.20				9.22		31.9	2470
2.09	2.09	8.15				10.19		32.8	2471
2.00	2.00	7.95				10.40		32.4	2472
	2.00	8.00				10.00		32.0	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
2207	American Agricultural Chemical Michigan Carbon Homestead	Co., Inc., Cincinnati, O.—Con.
2208	Burley Tobacco Grower	Clem Keltner, Campbellsville.....
2473		Lebanon Carr'ge and Impl. Co., Lebanon
		Mayhew Feed Co., Franklin
		Guaranteed
2209	Michigan Carbon Homestead	
2474	Potato and Tobacco Special	Ed. and G. W. Gentry, Glasgow Junction
2475		Hill Hardware Co., Bowling Green.....
2841		Myers, Lambert and Wilson, Carlisle....
		Watson Coal and Feed Co., Princeton....
		Guaranteed
2210	Michigan Carbon Red Line	
2211	Complete Manure	J. W. Schoolcraft, Somerset.....
2476		Hubbard and Crutcher, Munfordville....
2477		Shelton-Hall Co., Elkton
2842		Bedford and Tuttle, Winchester
2843		J. W. Schoolcraft, Somerset
		Crab Orchard Lumber Co., Crab Orchard
		Guaranteed
2478	Michigan Carbon 20% Super-phosphate	
2844		Myers, Lambert and Wilson, Carlisle....
2845		Lebanon Carr'ge and Impl. Co., Lebanon
		H. D. Jones, Glasgow.....
		Guaranteed
2212	Michigan Carbon 16% Super-phosphate	
2213		Leach and Rowe, Rowletts
2479		Lebanon Carr'ge and Impl. Co., Lebanon
2846		Norris Hdw. and Seed Co., Henderson..
2847		Lebanon Carr'ge and Impl. Co., Lebanon
2848		Crab Orchard Lumber Co., Crab Orchard
		H. D. Jones, Glasgow
		Guaranteed
1815	N-W Horseshoe Paramount	
	Fertilizer	Manufacturer
		Guaranteed
2480	N-W Horseshoe H. Gr. Tobacco	
2481	Grower	Geo. W. Hill and Co., Covington.....
		T. W. Hall, Elkton.....
		Guaranteed
2482	N-W Horseshoe Burley Tobacco	
	Grower	F. M. Mitchell, Scottsville.....
		Guaranteed
1818	N-W Horseshoe High Potash	
	Tobacco Grower	Manufacturer
		Guaranteed
2483	N-W Horseshoe Tobacco Grower..	
		F. M. Mitchell, Scottsville
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
2.90	3.12	7.60				0.60	5.39	32.7	2207
2.84	3.06	7.25				0.72	5.45	32.2	2208
3.09	3.09	7.65				0.60	5.43	32.7	2473
	3.00	8.00					6.00	33.0	
2.05	2.05	8.30					5.10	28.3	2209
2.13	2.13	8.50					4.83	28.5	2474
2.06	2.06	8.30				0.60	4.56	28.3	2475
2.04	2.04	8.25				0.60	4.72	28.3	2841
	2.00	8.00					5.00	27.5	
2.03	2.03	7.55				3.97		24.2	2210
2.05	2.05	8.00				4.25		25.3	2211
2.04	2.04	8.60				4.31		26.2	2476
2.44	2.44	8.25				4.60		27.7	2477
2.07	2.07	8.55				4.33		26.3	2842
1.82	1.82	8.00				3.63		23.6	2843
	2.00	8.00				4.00		24.8	
		21.45						25.7	2478
		20.95						25.1	2844
		20.45						24.5	2845
		20.00						24.0	
		15.80						19.0	2212
		16.50						19.8	2213
		16.65						20.0	2479
		16.90						20.3	2846
		17.25						20.7	2847
		16.55						19.9	2848
		16.00						19.2	
3.02	3.02	7.95				6.06		31.3	1815
	3.00	8.00				6.00		31.2	
2.96	2.96	9.80					3.20	31.3	2480
3.05	3.05	9.70					3.10	31.4	2481
	3.00	10.00					3.00	31.5	
3.00	3.00	8.25				1.32	4.69	33.0	2482
	3.00	8.00					6.00	33.0	
1.99	1.99	8.05				10.56		32.7	1818
	2.00	8.00				10.00		32.0	
2.05	2.05	7.90					5.07	27.7	2483
	2.00	8.00					5.00	27.5	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
2484	American Agricultural Chemical N-W Horseshoe Challenge Corn Grower	Co., Inc., Cincinnati, O.—Con. Frank Baker, Clarkson Guaranteed
2485	N-W Horseshoe Dark Tobacco Grower	F. M. Mitchell, Scottsville Guaranteed
2486	N-W Horseshoe 20% Super-phosphate	Frank Baker, Clarkson Guaranteed
2487	N-W Horseshoe 16% Super-phosphate	F. M. Mitchell, Scottsville..... E. S. Ferrill and Sons, Buffalo.....
2849		Woodson Lewis and Son, Greensburg...
2850		Guaranteed
1824	N-W Horseshoe Corn and Wheat Phosphate	Manufacturer
1825	N-W Horseshoe General Crop Grower	Guaranteed
		Manufacturer
		Guaranteed
1449	American Cyanamid Co., Ammo-Phos B	New York City, N. Y. Manufacturer
1450	Ammo-Phos-Ko No. 2-A	Guaranteed
1451	Ammo-Phos-Ko No. 2-A Sulphate Special	Manufacturer
1452	Aero Brand Cyanamid	Guaranteed
2488		Manufacturer
2489	Ammo-Phos-Ko No. 1.....	Guaranteed
1925	Ammo-Phos-Ko No. 4.....	Bohannon Coal and Feed Co., Versailles Farmers Supply Co., Richmond
2151	Ammo-Phos-Ko No 1 Mur-Sul. Special	Guaranteed
		Manufacturer
		Guaranteed
2490	Anglo-Chilean Nitrate Sales Corp., Champion Brand Chilean Nitrate of Soda	New York City, N. Y. J. P. Page, Barlow.....
2491		V. B. Nuckols, Elkton
1485	Standard Chilean Nitrate of Soda	Guaranteed
		Manufacturer
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
2.24	2.24 2.00	10.05 10.00				2.13 2.00		26.6 25.4	2484
2.07	2.07 2.00	8.15 8.00				4.13 4.00		25.5 24.8	2485
		21.30 20.00						25.6 24.0	2486
		16.95						20.3	2487
		16.65						20.0	2849
		16.65						20.0	2850
		16.00						19.2	
2.16	2.16 2.00	11.15 10.00				2.08 2.00		27.9 25.4	1824
3.03	3.03 3.00	9.30 9.00				2.13 2.00		28.6 27.9	1825
	16.64 16.00	20.00 20.00						96.7 94.0	1449
8.96	8.96 9.00	17.45 18.00				10.52 18.00	9.76	92.4 84.6	1450
9.42	9.42 9.00	18.30 18.00				1.72	15.80 18.00	90.9 90.0	1451
	22.26 22.00							89.0 88.0	1452
12.54	12.54	24.25				12.56		101.6	2488
12.48	12.48 12.00	27.10 24.00				8.20 12.00	3.33	105.4 99.6	2489
11.90	11.90 12.00	14.95 16.00				15.78 12.00		89.0 86.4	1925
12.06	12.06 12.00	24.65 24.00				6.16 4.00	6.77 8.00	102.8 100.8	2151
	16.04							64.2	2490
	15.96							63.8	2491
	16.00							64.0	
	15.88							63.5	1485
	15.25							61.0	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
2126	Armour Fertilizer Works, Big Crop 16% Superphosphate	Cincinnati, Louisville, Nashville. West Ky. Sub-Experiment Station, Princeton
2215		Taylor County Supply Co., Campbells- ville
2216		T. J. Cartmell, Horse Cave.....
2492		Hudson and Farnau, Lancaster
2493		Lambert-Gresham Hardware Co., Henderson
2819		West Ky. Sub-Experiment Station, Princeton
2825		S. J. Lowry, Princeton
2851		Henderson and Hardy Co., Shepherds- ville
2852		Wilson, Winn and Co., Russellville
2853		Taylor County Supply Co., Campbells- ville
2854		J. H. Peterson, Hiseville.....
2494	Big Crop 20% Superphosphate	Guaranteed
2495		G. C. Cornett, Cumberland
2855		A. D. Lykins, Petersville
2856		J. C. Everett and Co., Maysville.....
		Wilson, Winn and Co., Russellville
2496	Big Crop 32% Superphosphate	Guaranteed
2497		The T. J. Turley Co., Owensboro.....
		E. H. Mullekin, Bedford
2217	Big Crop 4-16-4 Fertilizer	Guaranteed
		Taylor County Supply Co., Campbells- ville
2483		R. L. Downer, Guthrie.....
2498		Pulley and Foley, Central City.....
2499		Cadiz Trading Co., Cadiz.....
2500		Whitesburg Wholesale Co., Whitesburg
2857		Grigsby and Co., Bardstown
2858		The T. J. Turley Co., Owensboro.....
2218	Big Crop 2-16-8 Fertilizer	Guaranteed
2501		J. W. Schoolcraft, Somerset.....
		Jackson Hardware Co., Dixon.....
2219	Big Crop 2-12-2 Fertilizer	Guaranteed
2220		J. W. Schoolcraft, Somerset.....
2502		J. H. Peterson, Hiseville.....
2859		Groger and Whitson, Walton.....
2860		J. W. Wilson, Crab Orchard.....
2861		Henderson and Hardy, Shepherdsville..
		J. C. Everett and Co., Maysville.....
2503	Big Crop 0-16-8 Fertilizer	Guaranteed
2862		R. W. Wilson, Auburn.....
		R. W. Wilson, Auburn.....
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
		16.00						19.2	2126
		15.80						19.0	2215
		16.35						19.6	2216
		16.75						20.1	2492
		17.20						20.6	2493
		16.15						19.4	2819
		17.10						20.5	2825
		15.20						18.2	2851
		17.00						20.4	2852
		16.50						19.8	2853
		16.15						19.4	2854
		16.00						19.2	
		20.30						24.4	2494
		20.00						24.0	2495
		20.05						24.1	2855
		21.75						26.1	2856
		20.00						24.0	
		32.50						39.0	2496
		32.05						38.5	2497
		32.00						38.4	
4.02	4.02	15.75				4.69		45.3	2217
4.29	4.54	16.40				4.59		48.3	2433
3.80	3.80	16.70				4.14		45.2	2498
3.85	3.85	16.70				3.96		45.2	2499
3.80	4.03	16.80				3.95		46.0	2500
3.56	3.84	16.15				4.40		44.9	2857
4.25	4.25	16.30				4.77		47.2	2858
	4.00	16.00				4.00		44.8	
2.04	2.04	17.15				7.45		42.7	2218
2.24	2.24	16.00				8.28		42.9	2501
	2.00	16.00				8.00		41.6	
1.76	2.00	12.20				2.30		29.1	2219
1.98	1.98	11.40				2.11		27.6	2220
1.82	2.04	11.50				2.06		27.9	2502
2.01	2.01	12.05				2.35		28.9	2859
1.95	1.95	11.95				2.18		28.4	2860
2.00	2.00	12.85				2.22		29.9	2861
	2.00	12.00				2.00		28.4	
		17.00				9.08		36.4	2503
		16.70				8.71		35.5	2862
		16.00				8.00		33.6	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
2221	Armour Fertilizer Works, Big Crop 0-12-4 Fertilizer	Cincinnati, Louisville, Nashville—Con. Jasper Produce Co., Science Hill..... Guaranteed
2863	Big Crop Bone Meal.....	J. Stotz, Greenville
2864		J. J. Shaver and Co., Mayfield..... Guaranteed
1548	Big Crop Raw Bone	Manufacturer
2128	Big Crop Nitrate of Soda.....	Guaranteed
		West Ky. Sub-Experiment Station, Princeton
2222	Big Crop 3-18-3 Fertilizer	Guaranteed
2504		Harrodsburg Hdw. and Impl. Co., Har- rodsburg
2505	Big Crop 2-12-6 Fertilizer.....	Whitesburg Wholesale Co., Whitesburg Guaranteed
2223	Big Crop 2-10-4 Fertilizer	Groger and Whitson, Walton.....
2866		Guaranteed
		Wilson, Winn and Co., Russellville.....
2506	Big Crop Tobacco Grower.....	Jasper Produce Co., Science Hill..... Guaranteed
2224	Big Crop Burley Tobacco Grower	Sam Terry, Big Clifty
2507		Guaranteed
2508		Taylor County Supply Co., Campbells- ville
2509		Powell-Hackney Grocery Co., Jackson..
2867		E. H. Mullekin, Bedford
		Joe L. Coombs, Campbellsburg.....
		J. W. Wilson, Crab Orchard
2225	Big Crop High Analysis Burley Tobacco Grower	Guaranteed
2226		Barber Hardware Co., Springfield.....
2510		M. R. Wheeldon, Waynesburg
		Joe L. Coombs, Campbellsburg
2227	Big Crop Plant Bed Special.....	Guaranteed
2228		Liberty Hardware Co., Liberty
2511		Barren County Grocery and Hardware Co., Glasgow
		Brent and Co., Paris
1558	Big Crop Special Tobacco Side Dressing	Guaranteed
2229	Big Crop 2-10-2 Fertilizer	Manufacturer
2230		Guaranteed
2868		Taylor County Supply Co., Campbells- ville
2869		S. S. Skaggs, Magnolia
		Sam Terry, Big Clifty
		Taylor County Supply Co., Campbells- ville
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
		11.85 12.00				4.09 4.00		22.7 22.8	2221
	2.66		27.10	83	17			33.1	2863
	2.53		27.65	84	16			33.4	2864
	2.00		24.00					32.0	
	4.15		24.25	100				40.9	1548
	3.70		22.00					36.8	
	15.76							63.0	2128
	15.00							60.0	
3.23	3.23	18.50				3.28		44.6	2222
3.00	3.00	18.35				3.51		43.7	2504
	3.00	18.00				3.00		42.6	
2.03	2.03	12.20				5.98		33.6	2505
	2.00	12.00				6.00		33.2	
1.66	2.02	11.65				4.60		31.1	2223
1.95	1.95	11.25				4.00		29.5	2866
	2.00	10.00				4.00		27.8	
1.48	1.89	8.75				0.92	3.04	26.4	2506
	2.00	8.00					4.00	26.0	
2.29	2.92	8.20				0.80	5.22	32.8	2224
2.19	2.94	7.90				0.72	5.35	32.5	2507
2.21	2.92	8.40				1.00	5.00	33.0	2508
2.41	3.01	8.00				0.68	5.35	32.9	2509
2.41	2.91	7.45					6.00	31.8	2867
	3.00	8.00					6.00	33.0	
3.30	4.14	12.40				1.04	6.77	46.6	2225
3.26	4.06	12.70				1.20	6.77	46.9	2226
3.20	4.02	12.80				1.00	6.68	46.5	2510
	4.00	12.00					8.00	46.0	
2.98	3.89	7.80					3.44	32.4	2227
3.12	4.04	8.00					3.36	33.2	2228
2.85	3.80	8.35				0.52	3.36	33.4	2511
	4.00	8.00					3.00	32.5	
12.24	12.24	8.05				4.08	1.77	68.6	1558
	12.00	8.00					4.00	66.0	
2.03	2.03	10.10				2.31		26.0	2229
2.04	2.04	9.90				2.35		25.8	2230
2.06	2.06	10.60				2.27		26.9	2868
2.05	2.05	10.55				2.17		26.6	2869
	2.00	10.00				2.00		25.4	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
1560	Armour Fertilizer Works, Big Crop 2-8-5 Fertilizer	Cincinnati, Louisville, Nashville—Con. Manufacturer
2231	Big Crop 4-12-4 Fertilizer	Guaranteed
2513	Big Crop 4-12-8 Fertilizer	Wilson, Winn and Co., Russellville.....
2514		J. Stotz, Greenville
2870		Finley Hardware Co., Madisonville.....
2515	Big Crop Old Black Joe	Guaranteed
2516		Atherton, Kidd Co., Livermore
2432	Big Crop 5-15-5 Fertilizer	T. J. Whittinghill, Fordsville.....
2871	Big Crop 0-10-4 Fertilizer	Guaranteed
2517	Big Crop Bonus "A" Humus.....	R. L. Downer, Guthrie
2518	Big Crop Potato Grower.....	Guaranteed
1569	Big Crop High Analysis Potato Grower	R. W. Wilson, Auburn
1570	Armour's Vert	Guaranteed
2232	Armour's N. P. K. 9-27-9.....	Manufacturer
2520		Guaranteed
2521		J. W. Schoolcraft, Somerset
2522		V. B. Nuckols, Elkton
2523	Armour's N. P. K. 9-18-18	Joiner Hardware Co., Princeton
2524		A. A. Clay and Son, Indian Field.....
2124	Armour's Sulphate of Ammonia....	Guaranteed
2125	Armour's Sulphate of Potash.....	A. A. Clay and Son, Indian Field.....
2526	Armour's Muriate of Potash	M. L. Levy, Pembroke
2233	Armour's 0-10-5 Fertilizer.....	Guaranteed
2234	Big Crop 3-10-3 Fertilizer.....	West Ky. Sub-Experiment Station, Princeton
2053	Big Crop 10-4-4	Guaranteed
2119	Big Crop 5-10-5 Fertilizer	V. B. Nuckols, Elkton
		Guaranteed
		J. W. Schoolcraft, Somerset
		Guaranteed
		Wilson, Winn and Co., Russellville.....
		Guaranteed
		Manufacturer
		Guaranteed
		Manufacturer
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
2.31	2.31	8.60				5.59		28.9	1560
	2.00	8.00				5.00		26.0	
3.89	4.10	12.05				4.13		39.4	2231
	4.00	12.00				4.00		38.8	
3.89	3.89	13.20				8.32		45.3	2513
3.46	3.46	12.75				8.00		42.6	2514
3.99	3.99	13.30				8.26		45.8	2870
	4.00	12.00				8.00		43.6	
1.77	2.07	10.35				5.06		29.9	2515
1.69	1.96	10.70				3.97		28.7	2516
	2.00	10.00				4.00		27.8	
4.84	5.05	15.60				4.83		49.4	2432
	5.00	15.00				5.00		48.5	
		10.70				4.09		21.0	2871
		10.00				4.00		19.8	
2.53	2.53	12.05				2.23		30.9	2517
	2.00	12.00				2.00		28.4	
3.00	3.00	8.45				5.96		31.8	2518
	3.00	8.00				6.00		31.2	
4.37	4.37	12.50				8.53		46.5	1569
	4.00	12.00				8.00		43.6	
5.04	5.04	9.40				4.36	1.48	41.7	1570
	5.00	8.00				6.00		39.2	
8.61	8.86	27.50				9.35		87.9	2232
9.10	9.10	27.20				6.76	2.90	89.7	2520
8.66	8.86	26.70				9.51		86.9	2521
8.87	9.10	28.35				9.02		89.8	2522
	9.00	27.00				9.00		87.3	
8.98	8.98	19.25				18.40		86.9	2523
8.32	8.32	18.75				18.00		83.0	2524
	9.00	18.00				18.00		84.6	
	20.96							83.8	2124
	20.50							82.0	
							49.52	74.3	2125
							50.00	75.0	
						50.00		60.0	2526
		10.80				5.52		60.0	
		10.00				5.00		22.8	2233
		10.00				2.85		21.0	
2.68	2.91	10.00				3.00		30.1	2234
	3.00	10.00						30.6	
10.58	10.58	4.85					5.18	57.4	2053
	10.00	4.00				4.00		50.8	
5.32	5.67	10.05				6.58		45.7	2119
	5.00	10.00				5.00		41.0	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
2872	Armour Fertilizer Works, Big Crop 3-12-4 Fertilizer	Cincinnati, Louisville, Nashville—Con. J. Stotz, Greenville
2527	Big Crop 4-8-3 Truck Grower.....	Guaranteed
2528	Big Crop 4-8-4 Fertilizer	Powell-Hackney Grocery Co., Jackson..
2235	Big Crop 2-8-4 Fertilizer	Guaranteed
2873		Robinson and Turley, Richmond.....
		Guaranteed
2824	Big Crop 4-10-0 Fertilizer	Otto Keith, Upton
3000	Big Crop Bone Meal.....	Sam Terry, Big Clifty
		Guaranteed
		Manufacturer
		Guaranteed
		*
		Guaranteed
1520	The Barrett Co., New York City, Arcadian Nitrate of Soda	N. Y. Manufacturer
2529	Arcadian Sulphate of Ammonia....	Guaranteed
1522	Sulphate of Ammonia	Hatter Hardware Co., Franklin.....
		Guaranteed
		Manufacturer
		Guaranteed
2530	The C. S. Brent Seed Co., Grain Grower	Lexington, Ky. Manufacturer's warehouse
2147	Plant Bed Special	Guaranteed
2531	Burley Tobacco Grower	Manufacturer
2149	Superphosphate 16%	Guaranteed
		Manufacturer's warehouse
		Guaranteed
		Manufacturer
		Guaranteed
2236	The Buhner Fertilizer Co., Buhner's Special Tobacco Grower 4-16-4	Seymour, Ind. C. H. Moore, Cave City.....
2532	Buhner's Special Potato Grower 4-8-4	Guaranteed
2238	Buhner's Plant Bed Special 4-10-0	Farmers Seed Association, Louisville...
2239	Buhner's H. Gr. Tobacco Grower 3-8-6 Muriate	Guaranteed
2240		C. H. Moore, Cave City.....
2533		R. O. Hausbrough, Shelbyville.....
		Lexington Seed Co., Lexington.....
		Guaranteed

* The manufacturer failed to furnish sample as required by law.

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
3.78	3.78	13.25				4.58		40.5	2872
	3.00	12.00				4.00		34.8	
2.93	3.84	9.70				0.96	2.44	34.7	2527
	4.00	8.00				3.00		31.6	
3.46	3.93	9.20				1.20	3.09	35.6	2528
	4.00	8.00				4.00		32.8	
1.32	1.88	8.20				3.96		24.6	2235
1.50	1.83	7.65				3.90		23.5	2873
	2.00	8.00				4.00		24.8	
4.34	4.34	10.40						33.0	2824
	4.00	10.00						31.0	
									3000
	2.47		27.00					36.9	
	16.20							64.8	1520
	16.00							64.0	
	20.92							83.7	2529
	20.56							82.2	
	21.12							84.5	1522
	20.56							82.2	
1.96	1.96	10.10				2.25		25.7	2530
	2.00	10.00				2.00		25.4	
4.18	4.18	8.10					3.54	34.2	2147
	4.00	8.00					3.00	32.5	
2.25	2.86	8.30				0.80	5.33	32.9	2531
	3.00	8.00					6.00	33.0	
		16.65						20.0	2149
		16.00						19.2	
3.31	3.75	16.35				4.13		44.5	2236
	4.00	16.00				4.00		44.8	
3.06	3.63	7.80				1.96	4.01	34.6	2532
	4.00	8.00				4.00		32.8	
3.52	4.15	9.90						31.5	2238
	4.00	10.00						31.0	
2.27	2.77	7.90				6.24		30.4	2239
2.12	2.63	7.40				6.82		29.8	2240
2.26	2.75	7.05				6.75		31.0	2533
	3.00	8.00				6.00		31.2	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
1936	The Buhner Fertilizer Co., Buhner's H. Gr. Tobacco Grower 3-8-6 Sulphate	Seymour, Ind.—Con. * Guaranteed
2241	Buhner's Potato and Tobacco Grower 3-10-7	J. H. and J. L. Lyons, Loretto..... Lexington Seed Co., Lexington..... Guaranteed
2534		
2535	Buhner's Wheat and Corn Special 2-12-2	Farmers Seed Association, Louisville... Guaranteed
2242	Buhner's Grain Grower 2-10-2	Flanagan Bros., Russell Springs.....
2243		C. H. Moore, Cave City..... Guaranteed
2244	Buhner's Ideal Tobacco Grower 2-8-4	C. H. Moore, Cave City..... Guaranteed
2536	Buhner's 16% Superphosphate	Farmers Seed Association, Louisville... Guaranteed
1942	Buhner's 20% Superphosphate	* Guaranteed
1943	Buhner's Blue Grass Special Tobacco Grower 5-10-5	* Guaranteed
1944	Buhner's Burley Tobacco Grower 6-8-5	* Guaranteed
1945	Buhner's Raw Bone	* Guaranteed
2537	Buhner's Ground Bone	Guaranteed
2245	Buhner's Special Crop Grower.....	Farmers Seed Association, Louisville... Guaranteed
1948	Buhner's Nitrate of Soda.....	C. H. Moore, Cave City..... Guaranteed
1949	Buhner's Sulphate of Ammonia.....	* Guaranteed
1950	Buhner's Muriate of Potash.....	* Guaranteed
1951	Buhner's Sheep Manure	* Guaranteed
2538	Buhner's Spl. Tobacco Grower (Holman's Formula)	A. Bresler, Son and Co., Owensboro..... Guaranteed
2141	Buhner's 40% Superphosphate	* Guaranteed

* The manufacturer failed to furnish sample as required by law.

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
	3.00	8.00					6.00	33.0	1936
2.50	2.96	10.05				6.97		35.3	2241
2.29	2.70	9.85				7.12		34.1	2534
	3.00	10.00				7.00		35.4	
1.42	1.82	11.40				1.00	1.06	27.2	2535
	2.00	12.00				2.00		28.4	
1.30	1.80	10.00				2.01		24.6	2242
1.35	1.82	9.95				1.60	0.79	25.3	2243
	2.00	10.00				2.00		25.4	
1.63	1.99	8.15				1.52	2.48	25.7	2244
	2.00	8.00				4.00		24.8	
		16.25						19.5	2536
		16.00						19.2	
		20.00						24.0	1942
	5.00	10.00				5.00		41.0	1943
	6.00	8.00				5.00		42.0	1944
	3.20		21.00					33.8	1945
	2.73		25.20	55	45			36.1	2537
	2.40		24.00					33.6	
1.06	1.70	8.45				6.15		26.9	2245
	2.00	8.00				6.00		27.2	
	15.00							60.0	1948
	20.00							80.0	1949
						50.00		60.0	1950
	2.00	1.00				1.00		10.7	1951
5.68	5.94	8.85				5.43		43.6	2538
	6.00	8.00				5.00		42.0	
		40.00						48.0	2141

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
2074	Calumet Fertilizer Corporation, Calumet Brand Five-Twelve-Five	New Albany, Ind. Manufacturer Guaranteed
1928	Cleveland Agricultural Chem. Co., Cleveland's Tobacco Plant Special	New Albany, Ind. Manufacturer Guaranteed
2111	Cleveland's Truck and Potato Grower	Manufacturer Guaranteed
2112	Cleveland's Potato and Tobacco Grower	Manufacturer Guaranteed
2113	Cleveland's Two Twelve Six Corn	Manufacturer Guaranteed
2114	Cleveland's Royal Grain Grower..	Manufacturer Guaranteed
2115	Cleveland's Potash Manure	Manufacturer Guaranteed
2116	Cleveland's Pure Raw Bone.....	Manufacturer Guaranteed
2539	Cleveland's 20% Superphosphate..	Duncan and Sherley, LaGrange Guaranteed
2874	Cleveland's 16% Superphosphate..	Duncan and Sherley, LaGrange Guaranteed
2540	The Consolidated Chemical Co., Camel Brand Nitro Tobacco Fertilizer	Louisville, Ky. Martin Feed Co., Millersburg..... Guaranteed
1744	Camel Brand Nitro Tobacco Grower	Manufacturer Guaranteed
1745	Camel Brand Excelsior Potato Mixture	Manufacturer Guaranteed
1746	Camel Brand Five-Ten-Five	Manufacturer Guaranteed
1747	Camel Brand Potato Special.....	Manufacturer Guaranteed
1748	Camel Brand Four-Ten-Four	Manufacturer Guaranteed
2541	Camel Brand 4-16-4	B. H. Ellis, Hartford..... Guaranteed
2542	Camel Brand Plant Bed Special..	Martin Feed Co., Millersburg..... Guaranteed
1751	Camel Brand Double Potash Burley Grower	Manufacturer Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
5.21	5.21 5.00	12.30 12.00				5.41 5.00		45.8 44.0	2074
3.41	4.01 4.00	8.40 8.00				4.19 4.00		33.7 32.8	1928
3.47	3.91 4.00	10.25 10.00				4.08 4.00		35.9 35.8	2111
2.84	3.30 3.00	8.25 8.00				6.29 6.00		33.1 31.2	2112
1.85	2.24 2.00	11.90 12.00				6.24 6.00		34.3 33.2	2113
1.61	2.21 2.00	10.30 10.00				3.25 3.00		28.2 26.6	2114
		10.30 10.00				4.96 5.00		21.4 21.0	2115
	4.00 3.50		23.00 21.50	59	41			39.0 35.5	2116
		21.05 20.00						25.3 24.0	2539
		17.10 16.00						20.5 19.2	2874
5.44	5.74 6.00	8.30 8.00				1.28	5.14 6.00	44.7 45.0	2540
6.59	6.59 6.00	9.00 8.00				8.28 6.00	1.08	51.4 43.2	1744
6.08	6.08 5.00	10.80 10.00				0.88	7.95 5.00	53.5 42.5	1745
6.00	6.00 5.00	10.65 10.00				6.80 5.00	2.12	51.3 41.0	1746
5.44	5.44 4.00	11.50 10.00				0.92	8.16 4.00	52.4 37.0	1747
5.48	5.48 4.00	10.50 10.00				6.48 4.00	3.16	50.2 35.8	1748
3.51	4.29 4.00	16.60 16.00				4.02 4.00		46.9 44.8	2541
3.30	4.04 4.00	9.70 10.00						30.7 31.0	2542
4.30	4.30 3.00	9.70 8.00					15.23 12.00	54.6 42.0	1751

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
2246	The Consolidated Chemical Co., Camel Brand Burley Tobacco Grower	Louisville, Ky.—Con. D. E. Patterson, Hodgenville.....
2543		Martin Feed Co., Millersburg
1753	Camel Brand Potato Grower.....	Guaranteed
2544	Camel Brand Tobacco Mixture.....	Manufacturer
1755	Camel Brand Potato Mixture.....	Guaranteed
1756	Camel Brand Truck and Tobacco Fertilizer	B. H. Ellis, Hartford
1757	Camel Brand A-1 Grain Grower....	Guaranteed
1758	Camel Brand Tomato Special.....	Manufacturer
1759	Camel Brand Corn and Wheat Fertilizer	Guaranteed
2247	Camel Brand Beef, Blood and Bone	Manufacturer
2875		Guaranteed
2876		Harvey Stout and Son, Buechel
2248	Camel Brand Old Time Tobacco Fertilizer	Harvey Stout and Son, Buechel
1762	Camel Brand Blue Grass Tobacco Fertilizer	L. R. Hart, Big Clifty.....
2545	Camel Brand Harvest King	Guaranteed
2877		D. E. Patterson, Hodgenville
1764	Camel Brand Ten and Ten Per Cent Potash	Guaranteed
1765	Camel Brand Phosphate and Potash	Manufacturer
2249	Camel Brand Phosphate and Tobacco (200-lb. Gr. Tob. Stem)	Guaranteed
1767	Camel Brand 40% Superphosphate	Shannon-Mercer Co., Depoy.....
1768	Camel Brand 24% Superphosphate	Thompson's Store, Loretto
		Guaranteed
		Manufacturer
		Guaranteed
		Manufacturer
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
2.63	3.05	7.45				1.68	4.55	32.2	2246
3.14	3.64	9.80				1.92	4.07	37.7	2543
	3.00	8.00					6.00	33.0	
4.29	4.29	9.10				1.04	9.40	46.2	1753
	3.00	8.00					6.00	33.0	
2.83	3.35	8.55				6.75		34.3	2544
	3.00	8.00				6.00		31.2	
4.24	4.24	7.20				8.28	4.37	44.3	1755
	3.00	8.00				6.00		31.2	
4.32	4.32	7.20				4.48	5.15	41.2	1756
	3.00	8.00				3.00		27.6	
3.17	3.17	12.20				8.56	3.26	46.1	1757
	2.00	12.00				6.00		33.2	
3.17	3.17	12.20				8.56	3.26	46.1	1758
	2.00	12.00				6.00		33.2	
3.15	3.15	11.75				3.56	4.49	41.2	1759
	2.00	12.00				2.00		28.4	
2.02	2.73	9.95				2.44		28.8	2247
1.81	2.27	10.40				2.16		27.3	2875
1.73	2.14	10.65				2.10		27.1	2876
	2.00	10.00				2.00		25.4	
1.52	2.07	8.25				0.88	4.12	27.9	2248
	2.00	8.00					5.00	27.5	
3.03	3.03	10.05				5.28		33.5	1762
	2.00	8.00				4.00		24.8	
1.38	1.90	8.85				4.25		26.0	2545
1.87	2.20	8.40				4.37		26.6	2877
	2.00	8.00				4.00		24.8	
		11.50				11.99		31.6	1764
		10.00				10.00		27.0	
		11.60				4.70		23.0	1765
		10.00				4.00		19.8	
		14.30						17.2	2249
		14.00						16.8	
		44.00						52.8	1767
		40.00						48.0	
		27.80						33.4	1768
		24.00						28.8	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	The Consolidated Chemical Co.,	Louisville, Ky.—Con.
2546	Camel Brand 20% Superphosphate	S. B. Hinton, Owensboro
2878		Thompson's Store, Loretto
		Guaranteed
2250	Camel Brand 16% Superphosphate	Thompson's Store, Loretto
2251		D. E. Patterson, Hodgenville.....
2879		Thompson's Store, Loretto
		Guaranteed
1771	Camel Brand Raw Bone	Manufacturer
		Guaranteed
1772	Camel Brand Steamed Bone	
	Meal 1.65-27-0	Manufacturer
		Guaranteed
1930	Camel Brand Potato and Tobacco Mixture	Manufacturer
		Guaranteed
1982	Camel Brand Four-Eight-Four Burley Grower	Manufacturer
		Guaranteed
1983	Camel Brand Six-Eight-Three For Plant Beds	Manufacturer
		Guaranteed
	Darling and Company,	Chicago, Ill.
2252	Darling's Farmers Favorite	W. E. Wilson and Co., Russellville.....
2547		T. W. Hall, Elkton
		Guaranteed
1511	Darling's General Crop	Manufacturer
		Guaranteed
1512	Darling's Big Harvest	Manufacturer
		Guaranteed
1513	Darling's Crop King	Manufacturer
		Guaranteed
1514	Darling's Tobacco Special	*
		Guaranteed
1515	Darling's Bumper Crop	Manufacturer
		Guaranteed
1516	Darling's All Crop	Manufacturer
		Guaranteed
1517	Darling's Ten Ten	Manufacturer
		Guaranteed
2253	Darling's 16% Superphosphate.....	W. E. Wilson, Russellville.....
2548		W. S. Putman, Nortonville
2880		L. B. McCarley, Russellville
		Guaranteed
1519	Darling's 20% Superphosphate....	Manufacturer
		Guaranteed

* The manufacturer failed to furnish sample as required by law.

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
		20.30						24.4	2546
		20.35						24.4	2878
		20.00						24.0	
		15.95						19.1	2250
		16.00						19.2	2251
		16.35						19.6	2879
		16.00						19.2	
	3.89		23.15	65	35			38.7	1771
	3.71		22.00					36.8	
	2.31		28.80	70	30			38.0	1772
	1.65		27.00					33.6	
4.24	4.24	7.20				8.28	4.37	44.3	1930
	3.00	8.00				6.00		31.2	
5.43	5.43	8.80				0.88	6.86	46.3	1982
	4.00	8.00					4.00	34.0	
7.24	7.24	8.40				4.68	2.83	51.4	1983
	6.00	8.00				3.00		39.6	
3.12	3.12	8.70				6.19		33.0	2252
3.32	3.32	9.15				6.38		34.7	2547
	3.00	8.00				6.00		31.2	
2.11	2.21	16.00				6.19		40.3	1511
	2.00	16.00				6.00		39.2	
2.20	2.20	12.05				2.62		30.0	1512
	2.00	12.00				2.00		28.4	
2.38	2.38	12.15				6.27		35.3	1513
	2.00	12.00				6.00		33.2	
	2.00	12.00					6.00	35.0	1514
2.18	2.18	16.10				2.54		35.9	1515
	2.00	16.00				2.00		34.4	
3.91	4.11	16.35				4.60		46.5	1516
	4.00	16.00				4.00		44.8	
		11.15				9.64		28.3	1517
		10.00				10.00		27.0	
		16.70						20.0	2253
		16.90						20.3	2548
		16.60						19.9	2880
		16.00						19.2	
		20.85						25.0	1519
		20.00						24.0	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Darling and Company,	Chicago, Ill.—Con.
2254	Darling's "Tobacco Grower".....	W. E. Wilson, Russellville.....
2549		Smullen and Sons Mill, Corydon.....
		Guaranteed
2169	Darling's Nitrate of Soda.....	Manufacturer
		Guaranteed
2255	Darling's Muriate of Potash	W. E. Wilson, Russellville
		Guaranteed
2256	Darling's Pure Ground Bone.....	W. E. Wilson, Russellville
2881		T. W. Hall, Elkton
2882		The Planters Hardware Co., Hopkins- ville
		Guaranteed
	Duncan and Sherley, LaGrange,	Ky.
2550	Tiger A-1 Tobacco Grower.....	Manufacturer's warehouse
		Guaranteed
2412	†Tiger Brand Pure Bone Meal.....	Lindsey Duncan, LaGrange
2551		Manufacturer's warehouse
		Guaranteed
2552	Tiger Brand Phosphate and Tankage	Manufacturer's warehouse
		Guaranteed
2136	Tiger Brand Potato Grower.....	*
		Guaranteed
2554	Tiger Brand Half and Half Grain Grower	Manufacturer's warehouse
		Guaranteed
	The Empire Guano Co.,	Nashville, Tenn.
1473	Red Banner 2-12-2.....	Manufacturer
		Guaranteed
1474	Red Banner 3-10-3.....	Manufacturer
		Guaranteed
2257	Red Banner 2-10-2	G. M. Stevenson, Columbia
		Guaranteed
1476	Kentucky Tobacco and Truck Grower	Manufacturer
		Guaranteed
1477	Superior Tobacco Grower	Manufacturer
		Guaranteed
2258	High Grade Potash Mixture.....	G. M. Stevenson, Columbia
		Guaranteed
2259	Red Banner 16% Superphosphate	G. M. Stevenson, Columbia
		Guaranteed
1480	Red Banner 18% Superphosphate	Manufacturer
		Guaranteed

* The manufacturer failed to furnish sample as required by law.

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
2.21	2.21	12.05				2.91		30.4	2254
2.09	2.09	12.25				2.61		29.9	2549
	2.00	12.00				2.00		28.4	
	16.24							65.0	2169
	15.00							60.0	
						49.48		59.4	2255
						50.00		60.0	
	2.39		27.75	76	24			37.3	2256
	2.13		28.05	75	25			36.8	2881
	2.24		27.20	82	18			36.2	2882
	1.85		28.00					35.4	
2.59	3.15	8.65				6.90		33.9	2550
	3.00	8.00				6.00		31.2	
	3.24		24.85	84	16			37.8	2412
	2.75		26.40	74	26			37.4	2551
	2.47		25.00					34.9	
1.68	2.16	12.50						26.4	2552
	2.00	12.00						26.0	
									2136
	4.00	10.00				4.00		35.8	
1.37	2.27	10.65				3.32		29.0	2554
	2.00	9.00				3.00		25.1	
1.92	2.35	13.35				2.51		32.4	1473
	2.00	12.00				2.00		28.4	
3.71	3.71	12.80				4.56		39.5	1474
	3.00	10.00				3.00		30.6	
0.47	2.28	10.30				2.19		27.2	2257
	2.00	10.00				2.00		25.4	
2.73	3.38	9.15				0.84	6.20	34.8	1476
	3.00	8.00					6.00	33.0	
1.75	2.29	9.50				0.80	8.83	37.6	1477
	2.00	8.00					8.00	32.0	
		10.25				4.15		20.4	2258
		10.00				4.00		19.8	
		17.10						20.5	2259
		16.00						19.2	
		20.25						24.3	1480
		18.00						21.6	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
1481	The Empire Guano Co., Red Banner 20% Superphosphate	Nashville, Tenn.—Con. Manufacturer
1483	Raw Bone Meal	Guaranteed
		Manufacturer
		Guaranteed
2083	Farmers Fertilizer Co., Farmers Complete Fertilizer 3-10-3	Montgomery, Ala. Manufacturer
2084	Farmers Complete Fertilizer 3-8-6	Guaranteed
2085	Farmers Complete Fertilizer 4-10-4	Manufacturer
2086	Farmers Fertilizer 0-10-4	Guaranteed
2087	Farmers Superphosphate 16%	Manufacturer
2088	Farmers Complete Fertilizer 4-12-4	Guaranteed
2415	Farmers Superphosphate 20%	Manufacturer
		Guaranteed
2261	Federal Chemical Co., Inc., Standard Corn and Wheat Grower	Louisville, Ky. Lander Hardware Co., Elizabethtown...
2262		Charlie Lamkin, Hodgenville
2263		E. B. Hite, Bardstown
2264		L. A. Collins, Lebanon
2884		London Hardware Co., London
2885		Vine Grove Feed Co., Vine Grove
		Guaranteed
2555	Beef, Blood and Bone	Grayson County Supply Co., Leitchfield
2886		Grayson County Supply Co., Leitchfield
		Guaranteed
2265	Loam Land Fertilizer	I. K. Miller and Son, Campbellsville....
2556		Boone County Farm Bureau, Florence..
2887		Big Four Co., Franklin
2888		Vine Grove Feed Co., Vine Grove
2889		S. W. Stamper, Russell Springs
		Guaranteed
2557	Standard Crop and Tobacco Grower	Chappell Grocery Co., Pineville
2558		Dairyman's Feed and Supply Co., May- field
		Guaranteed
1989	Old Reliable	Manufacturer
		Guaranteed
2559	†Special Tobacco Grower	W. W. Cochrum, Lynnville
2560		Crawford, Gatlin Co., Benton
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
		22.60 20.00						27.1 24.0	1481
	4.45 3.70		21.95 20.00	60	40			39.8 34.8	1483
3.16	3.16 3.00	10.40 10.00				3.55 3.00		32.5 30.6	2083
3.26	3.26 3.00	8.90 8.00				6.40 6.00		34.1 31.2	2084
4.26	4.26 4.00	10.35 10.00				4.33 4.00		37.8 35.8	2085
		10.10 10.00				4.38 4.00		20.4 19.8	2086
		16.90 16.00						20.3 19.2	2087
4.26	4.26 4.00	12.75 12.00				4.38 4.00		41.4 38.8	2088
		21.95 20.00						26.3 24.0	2415
1.68	2.25	9.90				2.58		27.0	2261
2.00	2.55	9.30				2.19		26.8	2262
1.80	2.37	10.10				2.69		27.9	2263
1.53	2.12	10.15				2.04		26.2	2264
1.81	2.29	10.40				2.43		27.7	2884
1.41	1.90	12.15				1.96		28.2	2885
	2.00	10.00				2.00		25.4	
1.68	2.25	10.00				2.33		26.8	2555
1.76	2.21	9.65				2.15		25.9	2886
	2.00	10.00				2.00		25.4	
1.75	2.28	11.25				1.98		28.4	2265
1.66	2.20	12.50				2.04		30.0	2556
1.38	1.85	12.75				1.86		28.8	2887
1.46	1.98	11.50				1.73		27.3	2888
1.77	2.23	12.15				1.94		29.5	2889
	2.00	12.00				2.00		28.4	
1.56	1.99	7.60				4.04		24.2	2557
1.62	2.25	8.50				5.24		28.0	2558
	2.00	8.00				4.00		24.8	
2.86	2.86	10.75				5.92		35.2	1989
	2.00	10.00				4.00		27.8	
1.50	2.18	7.95				6.64		28.6	2559
1.66	2.21	9.30				5.98		30.0	2560
	2.00	8.00				6.00		27.2	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Federal Chemical Co., Inc.,	Louisville, Ky.—Con.
2266	Best Burley Tobacco Grower.....	W. T. McKinley, Russell Springs.....
2561		Planters Hardware Co., Hopkinsville....
		Guaranteed
2267	Official Formula 2-12-6	E. B. Hite, Bardstown
2562		H. M. Carty, White Plains
		Guaranteed
1995	Double Formula 2-16-8	Manufacturer
		Guaranteed
2268	Plant Bed Special	T. E. Furrie, West Point.....
2269		E. B. Hite, Bardstown
2564		Cogar Lumber Co., Midway.....
		Guaranteed
2565	Special Plant Bed Mixture	C. F. Shaw and Co., Cave City.....
		Guaranteed
2001	Tip Top Potato Grower.....	Manufacturer
		Guaranteed
2271	Special Tobacco and Potato	
	Grower	T. E. Furrie, West Point.....
2272		E. B. Hite, Bardstown
2273		Lake Bros., Springfield
		Guaranteed
2004	Official Formula 3-21-6	Manufacturer
		Guaranteed
2005	3-8-10 Fertilizer	Manufacturer
		Guaranteed
2567	†High Grade Truck and Tobacco....	Tucker and McLoney, Cynthiana.....
2570		J. F. Wright, Falmouth
		Guaranteed
2572	Double Duty	Guenther Hardware Co., Owensboro....
2573		Crawford, Gatlin Co., Benton.....
		Guaranteed
2575	A-1 Extra Tobacco Special	Gentry-McCauley, Versailles
		Guaranteed
2576	Official Tobacco Formula	B. D. Jordan and Son, Flemingsburg....
		Guaranteed
2577	Official Formula 6-8-6	Guenther Hardware Co., Owensboro....
		Guaranteed
2013	Official Formula 0-12-6	Manufacturer
		Guaranteed
2578	Phosphate and Potash	Williamsburg Hardware Co., Williams- burg
		Guaranteed
2274	Potash Mixture	Wheeler Grocery Co., Whitley City.....
2579		J. E. Smith, Dixon
2580		B. D. Jordan and Son, Flemingsburg....
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
1.88	2.36	8.85				0.80	4.57	30.5	2266
1.15	1.68	8.50				1.56	5.06	28.9	2561
	2.00	8.00					6.00	29.0	
1.50	2.14	11.70				5.94		33.2	2267
1.79	2.47	12.20				5.80		36.9	2562
	2.00	12.00				6.00		33.2	
2.78	2.78	17.05				10.14		48.9	1995
	2.00	16.00					8.00	41.6	
2.36	3.03	10.10				2.89		30.7	2268
2.42	3.19	10.80				2.85		32.4	2269
2.30	3.05	10.40				3.31		31.8	2564
	3.00	10.00				3.00		30.6	
1.92	2.63	10.95				3.20		30.8	2565
	3.00	10.00					3.00	31.5	
5.38	5.38	11.35				0.76	5.24	47.3	2001
	4.00	10.00					4.00	37.0	
2.46	3.03	7.90				6.48		31.8	2271
2.59	3.23	8.00				5.82		31.9	2272
2.39	3.35	8.10				6.31		33.1	2273
	3.00	8.00				6.00		31.2	
4.36	4.36	20.70				11.16		61.9	2004
	3.00	21.00				6.00		50.7	
4.54	4.54	8.60				15.83		40.1	2005
	3.00	8.00				10.00		35.0	
3.41	4.26	7.75				4.13		33.6	2567
3.61	4.55	11.00				4.02		39.5	2570
	4.00	8.00				4.00		32.8	
2.82	3.60	12.35				3.80		37.5	2572
2.84	3.87	11.80				4.21		38.2	2573
	4.00	12.00				4.00		38.8	
3.16	3.99	9.85						30.7	2575
	4.00	10.00						31.0	
4.36	5.46	7.75				3.80		38.0	2576
	6.00	8.00				3.00		39.5	
5.09	5.80	8.50				6.34		43.6	2577
	6.00	8.00				6.00		43.2	
		12.90				7.60		28.5	2013
		12.00				6.00		25.2	
		12.03				3.48		22.2	2578
		12.00				4.00		22.8	
		10.05				3.69		19.5	2274
		10.70				3.72		20.5	2579
		9.75				5.01		20.6	2580
		10.00				4.00		19.8	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
2581	Federal Chemical Co., Inc.,	Louisville, Ky.—Con.
2890	Lime Bone Phosphate	The Big Four Co., Franklin
		The Big Four Co., Franklin
		Guaranteed
2276	20% Superphosphate	I. K. Miller and Son, Campbellsville.....
2582		W. A. Robinson, Bremen.....
2891		Grayson County Supply, Leitchfield.....
2892		Clem Keltner, Campbellsville
2893		Vine Grove Feed Co., Vine Grove.....
		Guaranteed
2583	†Pure Bone	The Big Four Co., Franklin.....
		Guaranteed
2019	Raw Bone	Manufacturer
		Guaranteed
2020	Nitrate of Soda	Manufacturer
		Guaranteed
2021	Sulphate of Ammonia	Manufacturer
		Guaranteed
2584	32% Superphosphate	Merchants Grocery Co., Pikeville.....
2585		Sandy Valley Grocery Co., Paintsville....
		Guaranteed
2992	Kalko-Phos 16%	Manufacturer
		Guaranteed
2993	Kalko-Phos 20%	Manufacturer
		Guaranteed
2994	Fosfo-Nite 16%—A Tankage and Tobacco Base Fertilizer.....	Manufacturer
		Guaranteed
2995	16%	Manufacturer
		Guaranteed
2278	Daybreak Tobacco Grower	Lake Bros., Springfield
2279		John R. Sower, Frankfort.....
2586		W. A. Robinson, Bremen.....
		Guaranteed
2024	Daybreak Favorite Formula	Manufacturer
		Guaranteed
2588	Daybreak 16% Superphosphate	W. A. Robinson, Bremen.....
2589		Merchants Grocery Co., Pikeville.....
2896		London Hardware Co., London
		Guaranteed
2026	First Prize Blue Ribbon Fertilizer	Manufacturer
		Guaranteed
2027	First Prize Premium Formula	Manufacturer
		Guaranteed
2897	First Prize 16% Superphosphate.....	The Planters Hardware Co., Hopkinsville
2590		J. W. Peak, Campbellsburg
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
		16.45						19.7	2581
		16.00						19.2	2890
		16.00						19.2	
		19.90						23.9	2276
		20.60						24.7	2582
		20.75						24.9	2891
		20.10						24.1	2892
		20.85						25.0	2893
		20.00						24.0	
	2.06		28.90	84	16			37.1	2583
	1.00		30.00					34.0	
	4.00		25.40	59	41			41.4	2019
	3.30		20.00					33.2	
	15.84							63.4	2020
	15.00							60.0	
	20.72							82.9	2021
	20.00							80.0	
		33.65						40.4	2584
		31.15						37.4	2585
		32.00						38.4	
		17.70						21.2	2992
		16.00						19.2	
		22.55						27.1	2993
		20.00						24.0	
		17.40						20.9	2994
		16.00						19.2	
		17.35						20.8	2995
		16.00						19.2	
1.70	2.19	10.15				1.96		26.3	2278
1.52	2.00	9.55				1.96		24.7	2279
1.40	2.15	10.85				2.21		27.5	2586
	2.00	10.00				2.00		25.4	
2.86	2.86	10.75				5.92		35.2	2024
	2.00	10.00				4.00		27.8	
		17.55						21.1	2588
		16.50						19.8	2589
		16.45						22.6	2896
		16.00						19.2	
2.81	2.81	9.75				5.28		32.2	2026
	2.00	8.00				4.00		24.8	
2.86	2.86	10.75				5.92		35.2	2027
	2.00	10.00				4.00		27.8	
		16.15						19.4	2897
		17.05						20.5	2590
		16.00						19.2	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
1838	Fox Chemical Co., Br. Federal Fox Corn and Wheat Manure.....	Chem. Co., Inc., Louisville, Ky. T. Z. Leachman, Greensburg..... Guaranteed
2280	Fox Tobacco Grower	S. W. Stanton, Russell Springs.....
2281		Miss Agnes Davis, Russellville..... Guaranteed
2591	Early Harvest	T. C. Martin, Beaver Dam
2282	Fox Ideal Formula	Guaranteed
1899		Clom Keltner, Campbellsville
		Clem Keltner, Campbellsville
		Guaranteed
2018	†Fox 16% Superphosphate	Ryan-Miller Co., Hardin
2283		T. Z. Leachman, Greensburg.....
2592		Miss Agnes Davis, Russellville.....
2593		Stagg Bros. and Co., Vanceburg.....
1900		Fox Hardware Co., Madisonville.....
2901		A. B. Beale and Son, Murray.....
2903		S. W. Stamper, Russell Springs
2904		Miss Agnes Davis, Russellville..... Guaranteed
2906	Fox Ferti-Nite 16%	Guaranteed
		Guaranteed
2594	Globe Fertilizer Co., Br. Federal Eagle Corn and Wheat Grower.....	Chemical Co., Inc., Louisville, Ky. J. L. Taggart, Depoy
2525		Scottsville Feed Co., Scottsville..... Guaranteed
2596	Big Four Tobacco Grower.....	Planters Hardware Co., Hopkinsville...
2597		Gentry-McCauley, Versailles
2598		Virgil Jackson, Utica
2599		Franklin Dudley, Flemingsburg
		Guaranteed
2284	Universal Crop and Tobacco Grower	I. K. Miller and Son, Campbellsville.....
2600		Scottsville Feed Co., Scottsville
		Guaranteed
2037	Progress Fertilizer	Manufacturer
		Guaranteed
2601		Moore Feed and Seed Co., Ashland.....
		Guaranteed
2604	†Ky. Standard Tobacco Grower.....	Wyatt Milling Co., Benton.....
2905		A. Eresler, Son and Co., Owensboro.....
		Guaranteed
2910	Globe Special Tobacco Grower.....	Manufacturer
		Guaranteed

* The manufacturer failed to furnish sample as required by law.

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
2.18	2.67	10.55				2.19		29.1	2898
	2.00	10.00				2.00		25.4	
1.35	1.83	9.60				2.19		24.4	2280
1.52	2.11	12.00				1.97		28.8	2281
	2.00	10.00				2.00		25.4	
1.65	2.25	7.70				3.94		25.3	2591
	2.00	8.00				4.00		24.8	
1.68	2.22	10.15				4.22		29.2	2282
1.80	2.24	10.70				4.33		30.2	2899
	2.00	10.00				4.00		27.8	
		16.70						20.0	2048
		17.25						20.7	2283
		16.95						20.3	2592
		16.30						19.6	2593
		17.15						20.6	2900
		17.00						20.4	2901
		17.15						20.6	2903
		16.40						19.7	2904
		16.00						19.2	
		16.00						19.2	2996
1.57	2.18	10.40				2.17		26.9	2594
1.44	2.16	10.20				3.05		27.6	2595
	2.00	10.00				2.00		25.4	
1.35	2.02	10.80				1.82		26.5	2596
1.39	2.00	12.85				1.86		29.5	2597
1.28	1.90	11.40				2.00		27.1	2598
1.61	2.18	11.05				1.90		27.6	2599
	2.00	10.00				2.00		25.4	
1.48	1.83	8.20				3.95		24.4	2284
1.43	2.01	9.10				3.77		26.2	2600
	2.00	8.00				4.00		24.8	
2.81	2.81	9.75				5.28		32.2	2037
	2.00	8.00				4.00		24.8	
1.55	2.14	9.60				4.13		27.9	2601
	2.00	10.00				4.00		27.8	
1.39	2.10	8.50				6.00		28.4	2604
1.51	2.01	8.00				5.53		26.7	2905
	2.00	8.00				6.00		27.2	
2.45	2.45	9.35				1.32	11.59	42.8	2040
	2.00	8.00					10.00	35.0	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
2286	Globe Fertilizer Co., Br. Federal	Chemical Co., Inc., Louisville, Ky.—Con.
2287	Globe 16% Superphosphate	I. K. Miller and Son, Campbellsville.....
2605		L. C. Locke, Hiseville
2606		Baumstark and Bush, Moberly
2906		Ed. C. Bryant and Co., Rumsey.....
2907		Vine Grove Feed Co., Vine Grove.....
		W. C. Stuart, Horse Cave.....
		Guaranteed
2997	Globe Tobac-O-Nite 16%	Manufacturer
		Guaranteed
2139	The Grasselli Chemical Co., Du Gro (Grasselli Plant Food).....	Cleveland, O. Manufacturer
		Guaranteed
2607	Hall Seed Co., Louisville, Ky.	
2909	†Halco 16% Superphosphate	Manufacturer's warehouse
		Harvey Stout and Son, Buechel.....
		Guaranteed
2608	Halco 20% Superphosphate	Manufacturer's warehouse
		Guaranteed
1970	Halco Burley Tobacco Grower.....	*
		Guaranteed
2609	Halco High Grade Vegetable Grower	Manufacturer's warehouse
		Guaranteed
2610	Halco Vegetable Grower	Manufacturer's warehouse
		Guaranteed
2611	Halco Potato and Tobacco Grower	Manufacturer's warehouse
2910		Manufacturer's warehouse
		Guaranteed
2612	Halco Corn and Wheat Grower.....	Manufacturer's warehouse
2911		Manufacturer's warehouse
		Guaranteed
1975	Halco Bone Meal	Manufacturer
		Guaranteed
1976	Halco Raw Bone	Manufacturer's warehouse
		Guaranteed
1977	Halco 4-16-4 Fertilizer	Manufacturer's warehouse
		Guaranteed
1978	Halco 4-10-4 Fertilizer	Manufacturer's warehouse
		Guaranteed
2817	Halco Bone Meal 2.47-27-0	Manufacturer's warehouse
		Guaranteed

* The manufacturer failed to furnish sample as required by law.

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
		16.10						19.3	2286
		17.10						20.5	2287
		16.45						19.7	2605
		17.35						20.8	2606
		17.00						20.4	2906
		16.05						19.3	2907
		16.00						19.2	
		17.40						20.9	2997
		16.00						19.2	
4.23	4.23	14.20				5.22		44.5	2139
	4.00	13.00				4.00		40.3	
		15.75						18.9	2607
		16.05						19.3	2909
		16.00						19.2	
		20.05						24.1	2608
		20.00						24.0	
	3.00	8.00					6.00	33.0	1970
2.33	2.93	8.80				1.56	4.86	34.1	2609
	3.00	8.00					6.00	33.0	
3.47	3.81	10.35						30.8	2610
	4.00	10.00						31.0	
1.77	1.77	8.50				4.07		24.7	2611
1.58	1.96	8.50				3.98		25.4	2910
	2.00	8.00				4.00		24.8	
1.93	1.93	10.30				2.50		26.2	2612
1.83	1.83	10.05					2.16	25.6	2911
	2.00	10.00				2.00		25.4	
	2.26		28.40	85	15			37.4	1975
	2.00		24.00					32.0	
	4.13		23.90	100				40.4	1976
	3.70		22.00					36.8	
4.05	4.29	16.10				4.69		46.8	1977
	4.00	16.00				4.00		44.8	
4.05	4.25	12.50				4.45		41.1	1978
	4.00	10.00				4.00		35.8	
	2.59		26.50	100				36.9	2817
	2.47		27.00					36.9	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Hopkins Fertilizer Co.,	New Albany, Ind.
2288	Hopkins Old Time Tobacco	
2613	Plant Special	Lillard Miles, Nicholasville
2615		H. Tolbert Co., Corbin
		W. C. Granger, Franklin
2289	Hopkins Old Time Plant Special.	Guaranteed
2614		Buechel Produce Exchange, Buechel.....
		G. C. McPhetridge, London
2616	Hopkins Old Time Truck and	Guaranteed
	Potato Grower	H. Tolbert, Corbin
2290	Hopkins Old Time Potato Grower	Guaranteed
2617		Buechel Produce Exchange, Buechel.....
2291	Hopkins Old Time Burley Grower	Matt Cornelison, Bybee
2292		Guaranteed
2293	Hopkins Old Time Two-Twelve-	Conner, Hayden Co., Bardstown
	Six Corn	Haydon Coal Co., Springfield
2618	Hopkins Old Time Superior	Guaranteed
2619		Coffey and Van Hook, Moreland
2294	Hopkins Old Time Royal Grain	Guaranteed
2295	Grower	W. C. Granger, Franklin
2296		H. Tolbert, Corbin
2620		Guaranteed
2912		Farm Bureau Supply Co., Elizabethtown
2913		Conner, Hayden Co., Bardstown
2297	Hopkins Old Time Potash Manure	Buechel Produce Exchange, Buechel.....
2621		Lile and Wheeler, Clarkson
2622		Shepherdsville Roller Mills, Shepherds-
2623	Hopkins Old Time Pure Raw	ville
	Bone	Conner, Hayden Co., Bardston
2108	Hopkins Old Time 20% Super-	Guaranteed
	phosphate	S. S. Skaggs, Magnolia
		Matt Cornelison, Bybee
		W. C. Granger, Franklin
		Guaranteed
		W. C. Granger, Franklin
		Guaranteed
		Manufacturer
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
3.58	4.04	8.75				4.04		34.1	2288
3.25	3.72	8.70				4.33		33.1	2613
3.31	3.75	8.20				5.08		33.4	2615
	4.00	8.00				4.00		32.8	
5.92	6.28	8.65				6.03		45.3	2289
5.77	6.16	8.80				5.87		44.9	2614
	6.00	8.00				6.00		43.2	
3.66	4.04	11.45				4.29		38.5	2616
	4.00	10.00				4.00		35.8	
3.14	3.51	8.90				6.54		35.2	2290
2.60	2.98	7.45				7.39		32.0	2617
	3.00	7.00				7.00		30.9	
2.65	3.05	8.45				6.31		32.5	2291
2.77	3.19	8.15				6.38		32.7	2292
	3.00	8.00				6.00		31.2	
2.01	2.36	12.35				6.09		35.3	2293
	2.00	12.00				6.00		33.2	
1.72	2.20	10.60				4.66		30.3	2618
1.97	2.38	10.35				3.72	0.61	30.4	2619
	2.00	10.00				4.00		27.8	
1.77	2.29	11.10				3.10		29.5	2294
1.62	2.13	10.30				3.41		28.1	2295
1.68	2.21	10.50				3.43		28.7	2296
1.79	2.37	10.75				3.34		29.6	2620
1.50	2.09	9.90				3.27		27.1	2912
1.69	2.22	10.25				3.13		28.0	2913
	2.00	10.00				3.00		26.6	
		10.50				5.01		21.8	2297
		10.50				5.15		21.9	2621
		10.65				5.20		22.2	2622
		10.00				5.00		21.0	
	3.92		22.80	56	44			38.5	2623
	3.50		21.50					35.5	
		20.65						24.8	2108
		20.00						24.0	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
2298	Hopkins Fertilizer Co., Hopkins Old Time Climax Superphosphate	New Albany, Ind.—Con. Conner, Hayden Co., Bardstown
2624		G. C. McPhetridge, London
2625		W. C. Richards, Fordsville
2914		Conner, Hayden Co., Bardstown
2138	Sulphate of Ammonia	Guaranteed
		Manufacturer
		Guaranteed
2131	Indiana Farm Bureau Co-op. Indiana Farm Bureau 20% Superphosphate	Association, Inc., Indianapolis, Ind. Manufacturer
		Guaranteed
2132	Indiana Farm Bureau 16% Superphosphate	Manufacturer
		Guaranteed
2159	Indiana Farm Bureau 2-12-6	Manufacturer
		Guaranteed
2160	Indiana Farm Bureau 4-12-4	Manufacturer
		Guaranteed
2161	Indiana Farm Bureau 4-24-12	Manufacturer
		Guaranteed
1683	International Agricultural International Multiple Strength 4-16-20	Corporation, Cincinnati, O. *
		Guaranteed
1684	International Multiple Strength 4-28-8	*
		Guaranteed
1685	International Multiple Strength 0-20-20	Manufacturer
		Guaranteed
1686	International Multiple Strength 0-28-12	Manufacturer
		Guaranteed
2300	International Truck and Potato Special	J. H. Jasper, W. Somerset
		Guaranteed
1688	International Extra High Grade	Manufacturer
		Guaranteed
1689	International Farmers Favorite	Manufacturer
		Guaranteed
2301	†International Preferred Quality Tobacco Fertilizer	J. W. Faulkner, Campbellsville
2302		J. H. Jasper, W. Somerset
2645		C. H. Clark and Son, Lexington
		Guaranteed

* The manufacturer failed to furnish sample as required by law.

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
		17.35						20.8	2298
		17.10						20.5	2624
		17.50						21.0	2625
		16.90						20.3	2914
		16.00						19.2	
	20.96							83.8	2138
	20.60							82.4	
		22.05						26.5	2131
		20.00						24.0	
		18.05						21.7	2132
		16.00						19.2	
2.07	2.07	12.70				7.66		36.5	2159
	2.00	12.00				6.00		33.2	
4.25	4.25	12.00				4.43		40.3	2160
	4.00	12.00				4.00		38.8	
4.25	4.25	23.95				12.84		68.3	2161
	4.00	24.00				12.00		66.4	
	4.00	16.00				20.00		64.0	1683
	4.00	28.00				8.00		67.6	1684
		19.95				20.82		54.9	1685
		20.00				20.00		54.0	
		28.35				13.17		58.3	1686
		28.00				12.00		56.4	
1.98	1.98	8.35				10.52		33.1	2300
	2.00	8.00				10.00		32.0	
2.02	2.02	12.10				6.13		33.6	1688
	2.00	12.00				6.00		33.2	
2.01	2.01	14.00				4.48		34.4	1689
	2.00	14.00				4.00		33.8	
2.82	3.98	9.95				0.84	5.52	40.1	2301
2.77	4.02	9.90				0.64	5.51	40.0	2302
2.89	3.99	10.15				1.00	5.01	39.9	2645
	4.00	10.00					6.00	40.0	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
2629	International Agricultural International Quality Producer Dark Tobacco Fertilizer	Corporation, Cincinnati, O.—Con. V. B. Nuckols, Elkton
1692	International Top Dresser	* Guaranteed
2630	International Approved Tobacco Grower—Sulfate	Lewis and Bratcher, Berea..... Guaranteed
2632	International Tobacco and Potato Grower—Sulfate	Homer Thompson, Milton..... Guaranteed
2635	International High Grade Tobacco Special—Sulfate	Lewis and Bratcher, Berea..... N. P. Hutson, Murray
2636		Guaranteed
2303	International Crop Grower	Eubank Hardware Co., Eubank.....
2304		J. W. Faulkner, Campbellsville..... Guaranteed
2305	International Grain Grower	J. H. Jasper, W. Somerset
2306		J. W. Faulkner, Campbellsville..... Guaranteed
2307	International Plant Bed Special.....	J. H. Jasper, W. Somerset
2308	International O-Ten-Five	Guaranteed
2317		J. H. Jasper, W. Somerset..... Guaranteed
2318	International 40% Multiple Superphosphate	J. H. Jasper, W. Somerset.....
2302		Homer Thompson, Milton
2337	International 20% Super- phosphate	Guaranteed
2638		Lewis and Bratcher, Berea..... B. D. Jordan and Son, Flemingsburg..... Guaranteed
2309	International 16% Super- phosphate	Woodson Lewis and Son, Greensburg.....
2310		W. D. Dickinson, Glasgow.....
2339		J. T. Lawson, Greenup
2640		V. B. Nuckols, Elkton
2320		Eldred Hardware Co., Princeton.....
2321		J. H. Jasper, W. Somerset.....
2323		Woodson Lewis and Son, Greensburg..... Guaranteed
2311	International Limed 16% Superphosphate	J. H. Jasper, W. Somerset
2319		Hatter Hardware Co., Franklin
		Guaranteed

* The manufacturer failed to furnish sample as required by law.

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
2.60	4.02 4.00	11.15 11.00				4.89	5.00	38.7 40.0	2629
	10.00	6.00				4.00		53.8	1692
5.56	6.04 6.00	8.35 8.00				6.43	6.00	44.4 45.0	2630
2.30	2.87 3.00	8.75 8.00				6.71	6.00	32.7 33.0	2632
1.74	1.99	10.00				2.04	2.87	29.7	2635
1.60	1.95 2.00	10.15 10.00				4.46	4.00	28.4 29.0	2633
1.76	1.97	11.95				2.39		28.7	2303
1.99	1.99 2.00	12.25 12.00				2.54 2.00		29.4 28.4	2304
1.78	1.98	10.25				3.14		27.1	2305
1.70	1.91 2.00	10.10 10.00				3.38 3.00		26.9 26.6	2306
3.21	3.58 4.00	11.00 10.00						30.8 31.0	2307
		10.90				5.62		23.1	2308
		9.65				5.06		20.6	2917
		10.00				5.00		21.0	
		39.90						47.9	2918
		40.00						48.0	3002
		40.00						48.0	
		20.75						24.9	2637
		20.55						24.7	2633
		20.00						24.0	
		16.25						19.5	2309
		16.50						19.8	2310
		16.15						19.4	2639
		16.20						19.4	2640
		16.45						19.7	2920
		16.45						19.7	2921
		16.25						19.5	2923
		16.00						19.2	
		16.15						19.4	2311
		16.70						20.0	2919
		16.00						19.2	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	International Agricultural	Corporation, Cincinnati, O.—Con.
2641	International Superphosphate and Tobacco (200-lb. stems).....	B. D. Jordan and Son, Flemingsburg.....
		Guaranteed
2922	International Bone Meal	J. H. Jasper, W. Somerset
		Guaranteed
1706	International Lawn and Garden Fertilizer	Manufacturer
		Guaranteed
1979	International Strawberry Fertilizer	Manufacturer
		Guaranteed
1980	International Complete Concentrated Fertilizer	*
		Guaranteed
2312	International Premium Grain Grower	J. H. Jasper, W. Somerset
2924		J. H. Jasper, W. Somerset
		Guaranteed
2422	International Approved Tobacco Grower—Muriate	Manufacturer
		Guaranteed
2642	International Tobacco and Potato Grower—Muriate	Hatter Hardware Co., Franklin.....
2643		V. B. Nuckols, Elkton
		Guaranteed
2313	International H. Gr. Tobacco Special	Woodson Lewis and Son, Greensburg....
		Guaranteed
	Jarecki Chem. Co., (Armour owned)	Cincinnati, Louisville, Nashville.
1578	Jarecki's 16% Superphosphate	Manufacturer
		Guaranteed
1579	Jarecki's 20% Superphosphate	Manufacturer
		Guaranteed
1580	Jarecki's 32% Superphosphate	Manufacturer
		Guaranteed
2646	Jarecki's 4-16-4 Fertilizer	Jellico Grocery Co., Barboursville.....
		Guaranteed
1582	Jarecki's 2-16-8 Fertilizer	Manufacturer
		Guaranteed
1583	Jarecki's 2-12-2 Fertilizer	Manufacturer
		Guaranteed
1584	Jarecki's 0-16-8 Fertilizer	Manufacturer
		Guaranteed
1585	Jarecki's 0-12-4 Fertilizer	Manufacturer
		Guaranteed

* The manufacturer failed to furnish sample as required by law.

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
		15.05 14.00						18.1 16.8	2641
	1.85 1.85		28.10 29.00	68	32			35.5 36.4	2922
3.28	4.08 4.00	12.25 12.00				4.19 4.00		39.7 38.8	1706
2.87	3.75 4.00	9.50 10.00					7.49 7.00	40.5 41.5	1979
	9.00	27.00				9.00		87.3	1980
1.68	2.05	15.90				2.50		35.1	2312
2.04	2.24 2.00	15.85 16.00				2.59 2.00		35.9 34.4	2924
5.65	6.08 6.00	8.10 8.00				6.48 6.00		44.3 43.2	2422
2.61	3.05	8.35				6.34		32.3	2642
2.77	3.10 3.00	8.35 8.00				5.72 6.00		31.8 31.2	2643
1.53	1.92 2.00	9.90 10.00				4.21 4.00		27.6 27.8	2313
		17.85 16.00						21.4 19.2	1578
		21.00 20.00						25.2 24.0	1579
		33.70 32.00						40.4 38.4	1580
4.01	4.01 4.00	16.15 16.00				1.88 4.00	2.18	45.8 44.8	2646
2.24	2.24 2.00	16.80 16.00				8.09 8.00		43.9 41.6	1582
2.22	2.22 2.00	12.10 12.00				2.25 2.00		29.7 28.4	1583
		16.70 16.00				8.25 8.00		35.0 33.6	1584
		12.80 12.00				4.76 4.00		24.9 22.8	1585

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Jarecki Chem. Co., (Armour owned)	Cincinnati, Louisville, Nashville—Con.
1586	Jarecki's Bone Meal	Manufacturer
		Guaranteed
1587	Jarecki's Raw Bone	Manufacturer
		Guaranteed
1588	Jarecki's Nitrate of Soda	Manufacturer
		Guaranteed
1589	Jarecki's 3-8-6 Fertilizer	Manufacturer
		Guaranteed
1590	Jarecki's 3-18-3 Fertilizer	Manufacturer
		Guaranteed
1591	Jarecki's 2-12-6 Fertilizer	Manufacturer
		Guaranteed
1592	Jarecki's 2-10-4 Fertilizer	Manufacturer
		Guaranteed
1593	Jarecki's Tobacco Grower	Manufacturer
		Guaranteed
2314	Jarecki's Burley Tobacco Grower	Otto Keith, Upton
		Guaranteed
1595	Jarecki's High Analysis Burley Tobacco Grower	Manufacturer
		Guaranteed
1596	Jarecki's Plant Bed Special	Manufacturer
		Guaranteed
1597	Jarecki's Special Tobacco Side Dressing	Manufacturer
		Guaranteed
2647	Jarecki's 2-10-2 Fertilizer	Jellico Grocery Co., Barbourville
		Guaranteed
1599	Jarecki's 2-8-5 Fertilizer	Manufacturer
		Guaranteed
2075	Jarecki's Potato Grower	Manufacturer
		Guaranteed
2076	Jarecki's High Analysis Potato Grower	Manufacturer
		Guaranteed
	Joslin-Schmidt Corporation, Square Brand 2-12-6	Cincinnati O. Manufacturer
		Guaranteed
2315	Square Brand 2-12-2	G. M. Hedrick, Monticello
2925		G. M. Hedrick, Monticello
		Guaranteed
2058	Square Brand 2-14-4	Manufacturer
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
	2.16		28.80	83	17			37.4	1586
	2.00		24.00					32.0	
	4.15		24.25	100				40.9	1587
	3.70		22.00					36.8	
	16.16							64.6	1588
	15.00							60.0	
3.18	3.18	8.15				6.09		32.3	1589
	3.00	8.00				6.00		31.2	
3.06	3.26	18.10				3.84		44.8	1590
	3.00	18.00				3.00		42.6	
2.24	2.24	13.00				6.00		35.7	1591
	2.00	12.00				6.00		33.2	
1.58	2.11	9.85				0.52	3.93	29.7	1592
	2.00	10.00				4.00		27.8	
1.47	2.07	8.45				1.08	4.56	29.1	1593
	2.00	8.00				4.00		24.8	
2.19	2.82	7.90				0.72	5.47	32.2	2314
	3.00	8.00					6.00	33.0	
3.13	3.93	12.00					8.05	45.8	1595
	4.00	12.00					8.00	46.0	
3.33	4.16	8.10					3.72	34.4	1596
	4.00	8.00					3.00	32.5	
12.24	12.24	8.05				4.08	1.77	68.6	1597
	12.00	8.00					4.00	66.0	
1.74	1.94	10.05				1.00	0.89	25.4	2647
	2.00	10.00				2.00		25.4	
2.31	2.31	8.60				5.59		28.9	1599
	2.00	8.00				5.00		26.0	
3.29	3.29	8.35				5.98		32.9	2075
	3.00	8.00				6.00		31.2	
4.37	4.37	12.50				8.53		46.5	2076
	4.00	12.00				8.00		43.6	
1.94	2.30	12.05				6.65		35.3	2056
	2.00	12.00				6.00		33.2	
2.02	2.02	12.25				2.56		29.5	2315
1.92	1.92	12.05				2.43		28.7	2925
	2.00	12.00				2.00		28.4	
1.85	2.20	13.60				4.31		34.4	2058
	2.00	14.00				4.00		33.8	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Joslin-Schmidt Corporation,	Cincinnati, O.—Con.
2434	Square Brand 3-8-6	Floyd Ransdall, Williamstown
2436		J. N. Sams, Independence
2441		Floyd Ransdall, Williamstown
2648		Geo. C. Good Co., Covington
2649		Minges Hardware Co., Newport
		Guaranteed
2316	Special Tobacco Fertilizer	H. D. Jones, Glasgow
		Guaranteed
2650	Square Brand 4-12-4	Geo. C. Good, Covington
2651		M. D. Royse, Winchester
		Guaranteed
2062	Square Brand 0-10-10	Manufacturer
		Guaranteed
2063	Square Brand 0-14-6	*
		Guaranteed
2317	Square Brand 0-14-4	H. D. Jones, Glasgow
		Guaranteed
2652	Square Brand 16% Super-phosphate	Geo. C. Good, Covington
2926		G. M. Hedrick, Monticello
2927		H. D. Jones, Glasgow
		Guaranteed
2318	20% Superphosphate	H. D. Jones, Glasgow
2653		Geo. C. Good, Covington
2654		M. D. Royse, Winchester
		Guaranteed
2067	40% Superphosphate	Manufacturer
		Guaranteed
2070	Sulphate of Ammonia	Manufacturer
		Guaranteed
2071	Nitrate of Soda	Manufacturer
		Guaranteed
	Kentucky Fertilizer Co., Br.	Federal Chem. Co., Inc., Louisville, Ky.
2277	O-K Golden Leaf Tobacco Grower	Dilly and Scott, Knob Lick
2656		Geo. R. Wetherill and Son, Prestonville
2657		J. W. Hardyman, Mt. Carmel
2658		B. D. Jordan and Son, Flemingsburg
		Guaranteed
2043	O-K Fertilizer	Manufacturer
		Guaranteed
2044	O-K High Grade Formula	Manufacturer
		Guaranteed

* The manufacturer failed to furnish sample as required by law.

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
2.09	2.99	8.45				6.26		32.2	2434
0.43	2.94	9.25				6.57		33.5	2436
0.39	2.79	11.00				6.65		35.6	2441
1.95	2.61	7.70				6.50		29.8	2648
2.04	3.23	9.00				5.66		33.2	2649
	3.00	8.00				6.00		31.2	
2.11	2.87	7.75				0.88	5.08	31.8	2316
	3.00	8.00					6.00	33.0	
3.42	3.84	12.25				5.07		39.8	2650
3.18	3.52	12.05				4.56		37.6	2651
	4.00	12.00				4.00		38.8	
		10.70				9.80		27.8	2062
		10.00				10.00		27.0	
									2063
		14.00				6.00		28.2	
		14.20				4.20		26.3	2317
		14.00				4.00		25.8	
		16.15						19.4	2652
		16.00						19.2	2926
		16.05						19.3	2927
		16.00						19.2	
		20.85						25.0	2318
		20.20						24.2	2653
		20.30						24.4	2654
		20.00						24.0	
		39.70						47.6	2067
		40.00						48.0	
	21.20							84.8	2070
	20.56							82.2	
	16.20							64.8	2071
	15.63							62.5	
1.42	2.07	10.60				1.98		26.6	2277
1.65	2.19	10.50				1.96		26.9	2656
1.61	2.19	10.30				2.07		26.7	2657
1.57	2.15	9.45				2.13		25.3	2658
	2.00	10.00				2.00		25.4	
2.81	2.81	9.75				5.28		32.2	2043
	2.00	8.00				4.00		24.8	
2.86	2.86	10.75				5.92		35.2	2044
	2.00	10.00				4.00		27.8	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
2347	Kentucky Fertilizer Co., Br. Fed.	Chem. Co., Inc. Louisville, Ky.—Con.
2319	O-K 16% Superphosphate	W. M. Cole, Hardin
2359		Dilly and Scott, Knob Lick.....
2660		Chiles Thompson and Co., Mt. Sterling
2361		Lonnio Jackson, Caneyville
2329		B. D. Jordan and Son, Flemingsburg.....
		Dairyman's Feed and Supply Co., Mayfield
2930		Crawford-Gatlin Co., Benton
2998	O-K Super-Nite 16%	Guaranteed
		Manufacturer
		Guaranteed
2150	J. C. Kirchdorfer, George Davies Plant Food	Louisville, Ky. Manufacturer
		Guaranteed
2362	Knoxville Fertilizer Co.,	Knoxville, Tenn.
2320	Knox Magnesia Phosphate	Renfro Supply Co., Williamsburg
		W. Kentucky Sub-Experiment Station, Princeton
2931		W. W. Taylor, Somerset
2932		G. H. Bowles and Co., Glasgow.....
		Guaranteed
2320	Basic O-Ten-Four	A. W. Tarter, Columbia.....
2321		Stewarts Cash Grocery, Horse Cave.....
2322		Hodges and Co., Hiseville
2634		Renfro Supply Co., Williamsburg
2933		G. H. Bowles and Co., Glasgow.....
2934		W. W. Taylor, Somerset
2935		Young Hardware Co., Hopkinsville.....
		Guaranteed
2323	Knox Vegetable Special	W. W. Taylor, Somerset
2665		Renfro Supply Co., Williamsburg.....
		Guaranteed
2324	Bright Burley Brand	G. H. Bowles and Co., Glasgow.....
2325		Peynolds and Burleson, Waynesburg.....
2668		Johnson Coal and Feed Co., Versailles
2936		Hodges and Co., Hiseville.....
		Guaranteed
1523	Dark Tobacco Brand	Manufacturer
		Guaranteed
1529	Knox Triple A	Manufacturer
		Guaranteed
2326	Knox Home Grower	W. W. Taylor, Somerset
2671		Vick Smith, Bowling Green
		Guaranteed
1531	Basic O-Twelve-Four	Manufacturer
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
		16.75						20.1	2047
		17.10						20.5	2319
		16.40						19.7	2659
		16.00						19.2	2660
		17.05						20.5	2661
		16.70						20.0	2929
		16.85						20.2	2930
		16.00						19.2	
		17.40						20.9	2998
		16.00						19.2	
3.40	3.82	11.00				4.90		37.7	2150
	4.00	10.00				4.00		35.8	
		16.70						20.0	2662
		16.90						20.3	2820
		16.25						19.5	2931
		16.00						19.2	2932
		16.00						19.2	
		9.95				4.04		19.8	2320
		10.00				4.40		20.3	2321
		10.40				3.95		20.3	2322
		10.55				4.13		20.8	2664
		10.40				4.54		21.1	2933
		10.00				5.26		21.3	2934
		10.35				4.40		20.8	2935
		10.00				4.00		19.8	
2.10	2.10	8.50				4.31		26.3	2323
2.03	2.03	8.60				4.15		26.0	2665
	2.00	8.00				4.00		24.8	
1.46	1.96	9.40				4.02		26.8	2324
1.77	2.06	9.15				3.64	0.53	27.1	2325
1.59	2.10	9.35				4.37		27.7	2668
1.59	1.95	9.15				4.33		26.7	2936
	2.00	9.00				2.00	2.00	26.9	
1.68	2.15	9.10				4.71		27.9	1528
	2.00	9.00				2.00	2.00	26.9	
3.97	4.78	9.90				4.17		39.0	1529
	4.00	10.00				4.00		35.8	
4.11	4.11	8.85				8.19		39.6	2326
4.19	4.19	8.75				8.41		40.0	2671
	4.00	8.00				8.00		37.6	
		13.20				4.40		25.1	1531
		12.00				4.00		22.8	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
1532	Knoxville Fertilizer Co., Knox Krop Kicker	Knoxville, Tenn.—Con. Manufacturer
1533	Double Triple A	Guaranteed
1534	Knox Potato Grower	Manufacturer
1535	Muriate of Potash	Guaranteed
1536	Nitrate of Soda	Manufacturer
2673	Bone Meal	Guaranteed
1538	Sulphate of Ammonia	Vick Smith, Bowling Green
2327	Basic Three-Eight-Six	Guaranteed
2674		Manufacturer
		Guaranteed
		W. W. Taylor, Somerset
		Young Hardware Co., Hopkinsville.....
		Guaranteed
	Louisville Fertilizer Co., (Armour owned)	Louisville, Cincinnati, Nashville.
2328	Louisville 16% Superphosphate....	J. T. and L. B. Bowen, Campbellsville..
2675		Bowman, Watts and Co., Lothair
2676		D. L. D. Sandefer, Beaver Dam.....
2677		Yopp Seed Co., Paducah.....
2937		Ratliffe Hardware Co., Princeton.....
2938		Yopp Seed Co., Paducah.....
		Guaranteed
1602	Louisville 20% Superphosphate....	Manufacturer
		Guaranteed
2678	Louisville 32% Superphosphate....	Yopp Seed Co., Paducah.....
		Guaranteed
2329	Louisville 4-16-4 Fertilizer	R. J. Wilcox, Greensburg
2679		Wilson and Son, Golden Pond.....
		Guaranteed
1605	Louisville 2-16-8 Fertilizer	Manufacturer
		Guaranteed
1606	Louisville 2-12-2 Fertilizer	Manufacturer
		Guaranteed
1607	Louisville 0-16-8 Fertilizer	Manufacturer
		Guaranteed
1608	Louisville 0-12-4 Fertilizer	Manufacturer
		Guaranteed
1609	Louisville Bone Meal	Manufacturer
		Guaranteed
1610	Louisville Raw Bone	Manufacturer
		Guaranteed
1611	Louisville Nitrate of Soda.....	Manufacturer
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
2.28	2.28	10.15				5.04		30.4	1532
	2.00	10.00				4.00		27.8	
3.66	4.03	13.75				4.42		42.1	1533
	4.00	12.00				4.00		38.8	
3.07	3.07	8.00				6.48		32.1	1534
	3.00	8.00				6.00		31.2	
						51.84		62.2	1535
						50.00		60.0	
	16.04							64.2	1536
	15.00							60.0	
	3.71		21.30	100				36.1	2673
	3.70		20.00					34.8	
	20.96							83.8	1538
	19.74							79.0	
2.78	2.78	9.00				5.96		31.8	2327
3.18	3.18	8.25				6.03		32.3	2674
	3.00	8.00				6.00		31.2	
		16.20						19.4	2328
		16.55						19.9	2675
		17.35						20.8	2676
		16.45						19.7	2677
		16.65						20.0	2937
		16.10						19.3	2938
		16.00						19.2	
		21.00						25.2	1602
		20.00						24.0	
		31.50						37.8	2678
		32.00						38.4	
3.90	3.90	16.00				3.97		44.4	2329
3.80	3.80	15.00				4.65		43.3	2679
	4.00	16.00				4.00		44.8	
2.24	2.24	16.80				8.09		43.9	1605
	2.00	16.00				8.00		41.6	
2.22	2.22	12.10				2.25		29.7	1606
	2.00	12.00				2.00		28.4	
		16.70				8.25		35.0	1607
		16.00				8.00		33.6	
		12.80				4.76		24.9	1608
		12.00				4.00		22.8	
	2.16		28.80	83	17			37.4	1609
	2.00		24.00					32.0	
	4.15		24.25	100				40.9	1610
	3.70		22.00					36.8	
	16.16							64.6	1611
	15.00							60.0	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Louisville Fertilizer Co., (Armour owned)	Louisville, Cincinnati, Nashville—Con.
2680	Louisville 3-8-6 Fertilizer	Yopp Seed Co., Paducah
		Guaranteed
1613	Louisville 3-18-3 Fertilizer	Manufacturer
		Guaranteed
1614	Louisville 2-12-6 Fertilizer	Manufacturer
		Guaranteed
2681	Louisville 2-10-4 Fertilizer	Ratliffe Hardware Co., Princeton.....
		Guaranteed
1616	Louisville Tobacco Grower	Manufacturer
		Guaranteed
2330	Louisville Burley Tobacco Grower	J. T. and L. B. Bowen, Campbellsville
2682		Pieratt and Co., Mt. Sterling.....
2683		Walter Young Coal Co., Owingsville.....
		Guaranteed
2331	Louisville High Analysis Burley Tobacco Grower 4-12-3	R. J. Wilcox, Greensburg.....
2684		Walter Young Coal Co., Owingsville.....
		Guaranteed
2685	Louisville Plant Bed Special	Pieratt and Co., Mt. Sterling.....
		Guaranteed
1620	Louisville Special Tobacco Side Dressing	Manufacturer
		Guaranteed
1621	Louisville 2-10-2 Fertilizer	Manufacturer
		Guaranteed
1622	Louisville 2-8-5 Fertilizer	Manufacturer
		Guaranteed
1623	Louisville 4-12-4 Fertilizer	Manufacturer
		Guaranteed
2686	Louisville 2-12-10 Fertilizer	Yopp Seed Co., Paducah.....
		Guaranteed
1626	Louisville Old Black Joe	Manufacturer
		Guaranteed
1627	Louisville 5-15-5 Fertilizer	Manufacturer
		Guaranteed
1628	Louisville 0-10-4 Fertilizer	Manufacturer
		Guaranteed
1629	Louisville 3-10-3 Fertilizer	Manufacturer
		Guaranteed
1630	Louisville Potato Grower	Manufacturer
		Guaranteed
1631	Louisville High Analysis Potato Grower	Manufacturer
		Guaranteed
2140	Louisville Truck Grower 4-8-3.....	Manufacturer
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
2.92	2.92	8.00				6.35		31.3	2680
	3.00	8.00				6.00		31.2	
3.06	3.26	18.10				3.84		44.8	1613
	3.00	18.00				3.00		42.6	
2.24	2.24	13.00				6.00		35.7	1614
	2.00	12.00				6.00		33.2	
1.46	1.89	10.10				4.33		27.9	2681
	2.00	10.00				4.00		27.8	
1.47	2.07	8.45				1.08	4.56	29.1	1616
	2.00	8.00					4.00	26.0	
2.23	2.85	8.70				0.96	4.97	33.1	2330
2.37	3.07	8.10				0.92	5.00	33.0	2682
2.27	3.06	8.25				0.88	4.63	32.6	2683
	3.00	8.00					6.00	33.0	
3.05	3.80	12.40				0.80	6.67	44.8	2331
3.27	4.12	12.45				1.04	7.23	47.3	2634
	4.00	12.00					8.00	46.0	
3.05	4.09	8.70					3.01	33.9	2685
	4.00	8.00					3.00	32.5	
12.24	12.24	8.05				4.08	1.77	68.6	1620
	12.00	8.00					4.00	66.0	
1.84	2.17	9.95				2.22		26.3	1621
	2.00	10.00				2.00		25.4	
2.31	2.31	8.60				5.59		28.9	1622
	2.00	8.00				5.00		26.0	
4.01	4.24	11.80				3.74		39.2	1623
	4.00	12.00				4.00		38.8	
2.96	2.96	12.15				9.56		41.5	2686
	2.00	12.00				10.00		38.0	
1.96	2.28	9.80				4.69		29.5	1623
	2.00	10.00				4.00		27.8	
4.93	5.14	15.25				5.68		50.3	1627
	5.00	15.00				5.00		48.5	
		10.20				4.21		20.4	1628
		10.00				4.00		19.8	
3.12	3.12	10.20				3.05		31.4	1629
	3.00	10.00				3.00		30.6	
3.29	3.29	8.35				5.98		32.9	1630
	3.00	8.00				6.00		31.2	
4.37	4.37	12.50				8.53		46.5	1631
	4.00	12.00				8.00		43.6	
4.21	4.21	8.45				3.41		33.6	2140
	4.00	8.00				3.00		31.6	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
2089	Memphis Fertilizer Factory, Memphis Complete Fertilizer 3-10-3	Memphis, Tenn. Manufacturer Guaranteed
2090	Memphis Complete Fertilizer 3-8-6	Manufacturer Guaranteed
2091	Memphis Complete Fertilizer 4-10-4	Manufacturer Guaranteed
2939	Memphis Fertilizer 0-10-4	J. V. Hendricks, Bowling Green..... Guaranteed
2332	Memphis Superphosphate 16%	S. E. Redford, Glasgow.....
2688		Hill Hardware Co., Bowling Green.....
2940		J. V. Hendricks, Bowling Green..... Guaranteed
2094	Memphis Complete Fertilizer 4-12-4	Manufacturer Guaranteed
2416	Memphis Superphosphate 20%	Manufacturer Guaranteed
2072	The Miami Fertilizer Co., VEG	Dayton, O. Manufacturer Guaranteed
2097	Moseley Mineral Feed Co., Inc., Moseley's 4-10-4	Louisville, Ky. * Guaranteed
2941	National Chemical Co., Big Pay Beef, Blood and Bone 2-8-4	Louisville, Ky. Hook Milling Co., Hardinsburg..... Guaranteed
2942	Big Pay Wheat and Corn Grower 2-10-2	E. S. Ferrill and Sons, Buffalo..... Guaranteed
2333	Big Pay Black Bone Tobacco Grower 2-10-2	E. S. Ferrill and Sons, Buffalo..... Guaranteed
1898	Big Pay Crady's Formula 2-10-4.....	Manufacturer Guaranteed
1899	Big Pay Champion 2-12-2	Manufacturer Guaranteed
1900	Big Pay Tomato and Tobacco Fertilizer 2-12-6	Manufacturer Guaranteed
1901	Big Pay 2-16-2 Fertilizer	Manufacturer Guaranteed

* The manufacturer failed to furnish sample as required by law.

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
3.16	3.16	10.40				3.55		32.5	2089
	3.00	10.00				3.00		30.6	
3.26	3.26	8.90				6.40		34.1	2090
	3.00	8.00				6.00		31.2	
4.26	4.26	10.35				4.33		37.8	2091
	4.00	10.00				4.00		35.8	
		10.75				4.40		21.4	2930
		10.00				4.00		19.8	
		16.35						19.6	2332
		17.30						20.7	2688
		16.50						19.8	2940
		16.00						19.2	
4.26	4.26	12.75				4.38		41.4	2094
	4.00	12.00				4.00		38.8	
		21.95						26.3	2416
		20.00						24.0	
2.84	4.24	7.55				4.08	1.22	35.0	2072
	4.00	6.00				6.00		32.2	
									2097
	4.00	10.00				4.00		35.8	
1.47	1.93	9.30				3.40		25.8	2941
	2.00	8.00				4.00		24.8	
1.61	2.04	10.00				2.30		25.9	2942
	2.00	10.00				2.00		25.4	
1.71	2.27	10.05				2.02		26.6	2333
	2.00	10.00				2.00		25.4	
2.88	2.88	10.90				5.80		34.8	1898
	2.00	10.00				4.00		27.8	
3.69	3.69	12.05				3.74		37.3	1899
	2.00	12.00				2.00		28.4	
3.25	3.25	12.55				8.02		41.5	1900
	2.00	12.00				6.00		33.2	
2.88	2.88	17.10				2.74		40.5	1901
	2.00	16.00				2.00		34.4	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
1902	National Chemical Co., Big Pay 2-16-8 Formula	Louisville, Ky.—Con. Manufacturer
2334	Big Pay Special Tobacco and Potato Fertilizer 3-8-6	Guaranteed
2690		Farmers Supply Co., Danville.....
2691		L. F. Wellman, Louisa
2692		Boyd and Raymond, Shelbyville.....
		Paducah Milling Co., Paducah.....
		Guaranteed
1904	Big Pay Spl. Tobacco and Potato Grower 3-8-6	Manufacturer
		Guaranteed
1905	Big Pay Extra Special Tobacco Grower 3-8-10	Manufacturer
		Guaranteed
1906	Big Pay 3-10-3 Fertilizer	Manufacturer
		Guaranteed
2693	Big Pay Front Rank Fertilizer 3-12-4	L. F. Wellman, Louisa
		Guaranteed
1908	Big Pay Champion Potato and Tobacco Fertilizer 4-10-4	Manufacturer
		Guaranteed
1909	Big Pay Champion Potato and Tobacco Grower 4-10-4	Manufacturer
		Guaranteed
2694	Big Pay Tobacco Bed Special 4-10-0	Augusta Conf. and Storage Co., Augusta Guaranteed
1911	Eig Pay 4-16-4 Fertilizer	Manufacturer
		Guaranteed
1913	Big Pay Tobacco and Vegetable Grower 6-8-6	Manufacturer
		Guaranteed
1915	Big Pay Phosphate and Potash 0-12-6	Manufacturer
		Guaranteed
1916	Big Pay Potash Formula 0-10-10..	Manufacturer
		Guaranteed
1917	Big Pay Potash Mixture 0-10-4....	Manufacturer
		Guaranteed
2335	Big Pay 16% Superphosphate	F. S. Ferrill and Sons, Buffalo.....
2697		L. F. Wellman, Louisa
2698		Farmers Supply Co., Richmond.....
		Guaranteed
1919	Big Pay 20% Superphosphate	Manufacturer
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
2.87	2.87 2.00	17.30 16.00				9.91 8.00		49.3 41.6	1902
1.91	2.42	8.00				7.02		30.1	2334
2.56	3.20	7.95				5.63		31.5	2690
2.82	3.52	7.45				5.66		32.1	2691
2.28	3.03	8.90				5.65		32.3	2692
	3.00	8.00				6.00		31.2	
4.18	4.18 3.00	9.25 8.00				0.88	6.57 6.00	41.5 33.0	1904
4.21	4.21 3.00	8.90 8.00				1.32	11.29 10.00	48.7 39.0	1905
4.27	4.27 3.00	10.70 10.00				7.35 3.00		42.0 30.6	1906
2.47	3.15 3.00	11.70 12.00				4.04 4.00		35.0 34.8	2693
5.08	5.08 4.00	11.30 10.00				5.04 4.00		43.3 35.8	1908
5.48	5.48 4.00	10.80 10.00				0.76	4.87 4.00	46.3 37.0	1909
3.25	4.06 4.00	10.30 10.00						31.7 31.0	2694
4.85	4.85 4.00	17.20 16.00				4.64 4.00		50.8 44.8	1911
7.13	7.13 6.00	9.10 8.00				8.75 6.00		52.7 43.2	1913
		12.85 12.00				7.70 6.00		28.5 25.2	1915
		10.85 10.00				11.92 10.00		30.6 27.0	1916
		11.30 10.00				6.00 4.00		24.2 19.8	1917
		16.90						20.3	2335
		16.10						19.3	2697
		16.65						20.0	2698
		16.00						19.2	
		21.30						25.6	1919
		20.00						24.0	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	National Chemical Co.,	Louisville, Ky.—Con.
1920	Big Pay Superphosphate with Tobacco Stems 16%	Manufacturer
		Guaranteed
2336	Big Pay Nitrate of Soda	E. S. Ferrill and Sons, Buffalo.....
		Guaranteed
1922	Big Pay Sulphate of Ammonia.....	Manufacturer
		Guaranteed
1923	Big Pay Steamed Bone 1-30-0	Manufacturer
		Guaranteed
1924	Big Pay Raw Bone 3.30-20-0	Manufacturer
		Guaranteed
2943	Big Pay Steam Bone 2-27-0	E. S. Ferrill and Sons, Buffalo.....
		Guaranteed
	Nitrate Agencies Co.,	New Orleans, La.
1445	Chilean Nitrate of Soda	Manufacturer
		Guaranteed
1446	Chilean Nitrate of Soda—Potash.....	Manufacturer
		Guaranteed
	North American Fert. Co., Inc.,	Louisville, Ky.
2337	N. A. Beef, Blood and Bone Fertilizer 2-8-4	I. K. Miller and Son, Campbellsville.....
2338		I. K. Miller and Son, Campbellsville.....
2699		A. D. Roberts, Hawesville
2944		Chas. Route, Hodgenville.....
		Guaranteed
1852	N. A. Ky. Special Tobacco Grower 2-8-5	Manufacturer
		Guaranteed
2339	N. A. Wheat and Corn Grower 2-10-2	Grigsby and Co., Bardstown
2340		A. G. Miller, Magnolia.....
2700		Walton and Rednour Walton
2945		J. H. and L. L. Lyons, Loretto.....
		Guaranteed
2341	N. A. Black Bone Tobacco Grower 2-10-2	Henry Durham, Greensburg.....
2701		John A. Sheehan, Falmouth
2702		A. D. Roberts, Hawesville.....
		Guaranteed
2342	†N. A. Crady's Formula 2-10-4.....	Union Store Co., Buechel.....
		Guaranteed
2343	N. A. Champion 2-12-2	G. W. Richardson, Somerset.....
2704		Whitesburg Wholesale Co., Whitesburg.....
		Guaranteed
2946	N. A. 2-16-2 Fertilizer	S. E. Ray, Vine Grove.....
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
		16.80 16.00						20.2 19.2	1920
	16.20 15.00							64.8 60.0	2336
	20.56 20.00							82.2 80.0	1922
	2.00 1.00		29.35 30.00	100				37.4 34.0	1923
	4.01 3.30		25.25 20.00	61	39			41.3 33.2	1924
	2.33 2.00		27.95 27.00	84	16			37.3 35.0	2943
	16.04 15.25							64.2 61.0	1445
	14.88 14.50						13.66 12.00	80.0 76.0	1446
	2.00	8.05				3.90		24.8	2337
1.54	2.01	7.55				3.79		23.9	2338
1.61	2.19	9.10				4.07		28.3	2699
1.71	2.16	8.20				3.98		25.7	2944
	2.00	8.00				4.00		24.8	
2.63	2.63	9.45				8.32		34.7	1852
	2.00	8.00				5.00		26.0	
1.63	2.16	9.70				1.78		25.3	2339
1.88	2.37	9.90				3.47		28.5	2340
1.58	2.15	9.95				2.38		26.4	2700
1.60	2.06	10.45				2.02		26.3	2945
	2.00	10.00				2.00		25.4	
1.62	2.15	10.10				1.85		26.0	2341
1.56	2.14	9.60				2.09		25.5	2701
1.77	2.44	10.10				2.25		27.6	2702
	2.00	10.00				2.00		25.4	
1.61	2.14	10.50				3.96		29.1	2342
	2.00	10.00				4.00		27.8	
1.70	2.26	12.20				2.33		30.1	2343
1.63	2.18	11.65				2.06		28.7	2704
	2.00	12.00				2.00		28.4	
1.80	2.30	15.10				2.10		34.4	2946
	2.00	16.00				2.00		34.4	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
1859	North American Fert. Co., Inc., N. A. 2-16-8 Formula	Louisville, Ky.—Cont. Manufacturer
2179	†N. A. Spl. Tobacco and Potato Fertilizer 3-8-6	Guaranteed
2345		J. L. Miller, Richmond.....
2705		Henry Durham, Greensburg.....
		M. R. Landreth, Maysville.....
		Guaranteed
1861	N. A. Special Tobacco and Potato Grower 3-8-6	Manufacturer
		Guaranteed
2347	N. A. Extra Spl. Tobacco Grower 3-8-10	A. G. Miller, Magnolia.....
		Guaranteed
2706	N. A. 3-10-3 Fertilizer	A. D. Roberts, Hawesville
		Guaranteed
1864	N. A. Front Rank Fertilizer 3-12-4	Manufacturer
		Guaranteed
2178	N. A. Tobacco Bed Special 4-10-0	J. L. Miller, Richmond.....
		Guaranteed
2349	N. A. 4-16-4 Fertilizer	G. M. Hedrick, Monticello.....
		Guaranteed
1869	N. A. Blue Grass H. Gr. Tobacco Fertilizer 6-8-3	Manufacturer
		Guaranteed
2172	N. A. Tobacco and Vegetable Grower 6-8-6	J. L. Miller, Richmond.....
		Guaranteed
1871	N. A. Potato Fertilizer 5-10-5	Manufacturer
		Guaranteed
1872	N. A. Phosphate and Potash 0-12-6	Manufacturer
		Guaranteed
1873	N. A. Potash Formula 0-10-10	Manufacturer
		Guaranteed
1874	N. A. Potash Mixture 0-10-4	Manufacturer
		Guaranteed
2177	N. A. 16% Superphosphate	J. L. Miller, Richmond.....
2350		J. E. Eadens, Bowling Green.....
2351		L. E. Burchett, Wago
2710		A. T. Sanders and Co., Lancaster.....
2947		J. H. and L. L. Lyons, Loretto.....
2948		S. E. Ray, Vine Grove.....
		Guaranteed
2949	N. A. 20% Superphosphate	S. E. Ray, Vine Grove.....
2950		J. H. and L. L. Lyons, Loretto.....
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
2.87	2.87	17.30				9.91		49.3	1859
	2.00	16.00				8.00		41.6	
2.75	3.35	8.75				5.29		32.9	2179
2.70	3.40	7.85				5.34		31.8	2345
2.09	2.92	7.90				5.92		30.6	2705
	3.00	8.00				6.00		31.2	
4.18	4.18	9.25				0.88	6.57	41.5	1861
	3.00	8.00					6.00	33.0	
2.45	3.04	8.00				5.40	5.00	38.1	2347
	3.00	8.00					10.00	39.0	
2.37	3.14	9.45				2.89		30.2	2706
	3.00	10.00				3.00		30.6	
3.48	3.48	13.10				5.22		39.8	1864
	3.00	12.00				4.00		34.8	
3.71	4.62	9.55						32.8	2178
	4.00	10.00						31.0	
3.28	3.97	16.05				3.76		44.5	2349
	4.00	16.00				4.00		44.8	
7.01	7.01	9.60					4.55	49.3	1869
	6.00	8.00					3.00	40.5	
4.99	6.02	7.65				6.93		43.9	2172
	6.00	8.00				6.00		43.2	
5.60	5.60	11.20				6.89		47.5	1871
	5.00	10.00				5.00		41.0	
		12.85				7.70		28.5	1872
		12.00				6.00		25.2	
		10.85				11.92		30.6	1873
		10.00				10.00		27.0	
		11.30				6.00		24.2	1874
		10.00				4.00		19.8	
		16.30						19.6	2177
		16.60						19.9	2350
		17.95						21.5	2351
		16.75						20.1	2710
		16.05						19.3	2947
		16.40						19.7	2948
		16.00						19.2	
		19.40						23.3	2949
		21.00						25.2	2950
		20.00						24.0	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	North American Fert. Co., Inc.,	Louisville, Ky.—Cont.
1877	N. A. Superphosphate with Tobacco Stems 0-16-0	Manufacturer
		Guaranteed
1878	N. A. Nitrate of Soda	Manufacturer
		Guaranteed
1879	N. A. Sulphate of Ammonia	Manufacturer
		Guaranteed
1880	N. A. Steamed Bone 1-30-0	Manufacturer
		Guaranteed
1881	N. A. Raw Bone 3.30-20-0	Manufacturer
		Guaranteed
1882	B. B. H. Gr. Vegetable Grower 4-10-0	Manufacturer
		Guaranteed
1883	B. B. Wheat and Corn Grower 2-10-2	Manufacturer
		Guaranteed
1884	B. B. Truckers Special 2-10-4	Manufacturer
		Guaranteed
1885	B. B. Special Grain Grower 2-16-2	Manufacturer
		Guaranteed
1886	B. B. Champion Potato Grower 4-10-4	Manufacturer
		Guaranteed
1887	B. B. A-1 Potato Grower Sulphate 3-8-6	Manufacturer
		Guaranteed
1888	R. B. Tobacco Booster 2-8-4	Manufacturer
		Guaranteed
1889	B. B. Burley Special (Sul.) 6-8-3	Manufacturer
		Guaranteed
1890	B. B. 16% Superphosphate	Manufacturer
		Guaranteed
1891	B. B. Bone Meal 1-30	Manufacturer
		Guaranteed
1892	B. B. Raw Bone 3.30-20	Manufacturer
		Guaranteed
1893	B. B. Lawn and Garden Fertilizer 5-12-4	Manufacturer
		Guaranteed
2049	B. B. 5-10-5 Fertilizer	Manufacturer
		Guaranteed
2312	N. A. Steam Bone 2-27-0	Manufacturer
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
		16.80 16.00						20.2 19.2	1877
	16.32 15.00							65.3 60.0	1878
	20.56 20.00							82.2 80.0	1879
	2.00 1.00		29.35 30.00	100				37.4 34.0	1880
	4.01 3.30		25.25 20.00	61	39			41.3 33.2	1881
4.46	4.46 4.00	11.10 10.00						34.5 31.0	1882
2.80	2.80 2.00	11.35 10.00				3.12 2.00		32.0 25.4	1883
2.88	2.88 2.00	10.90 10.00				5.80 4.00		34.8 27.8	1884
2.88	2.88 2.00	17.10 16.00				2.74 2.00		40.5 34.4	1885
5.08	5.08 4.00	11.30 10.00				5.04 4.00		43.3 35.8	1886
4.18	4.18 3.00	9.25 8.00				0.88	6.57 6.00	41.5 33.0	1887
2.82	2.82 2.00	9.70 8.00				5.32 4.00		32.2 24.8	1888
7.01	7.01 6.00	9.60 8.00					4.55 3.00	49.3 40.5	1889
		16.40 16.00						19.7 19.2	1890
	2.00 1.00		29.35 30.00	100				37.4 34.0	1891
	4.01 3.30		25.25 20.00	61	39			41.3 33.2	1892
5.79	5.79 5.00	13.65 12.00				6.09 4.00		51.0 42.8	1893
5.60	5.60 5.00	11.20 10.00				6.89 5.00		47.5 41.0	2049
	2.02 2.00		28.70 27.00	80	20			36.8 35.0	2812

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	N. V. Potash Export My., Inc.	Chicago, Ill.
1443	Muriate of Potash	*
		Guaranteed
1444	Sulphate of Potash	*
		Guaranteed
	The Price Chemical Co., Inc.,	Louisville, Ky.
2352	Plant Bed Special	Walters and Thompson, Shelbyville....
2353		Cogar Grain and Coal Co., Harrodsburg
		Guaranteed
1710	Four-Eight-Six Potato Fertilizer	Manufacturer
		Guaranteed
1711	Nitro Potato Grower	Manufacturer
		Guaranteed
1712	Nitro Tobacco Fertilizer	Manufacturer
		Guaranteed
2711	Nitro Tobacco Grower	Geo. B. Thurman, Lexington.....
		Guaranteed
1714	Excelsior Potato Mixture	Manufacturer
		Guaranteed
1715	Five-Ten-Five	Manufacturer
		Guaranteed
2712	Four-Sixteen-Four	Harrolson's Feed and Seed Store, Owensboro
		Guaranteed
1717	Potato Special	Manufacturer
		Guaranteed
2713	Four-Ten-Four	J. F. Smith and Co., Clay City.....
2714		St. Matthews Produce Exchange, St. Matthews
2715		Geo. B. Thurman, Lexington.....
		Guaranteed
2354	Double Potash Burley Grower.....	Skidmore Hardware Co., Elizabethtown
		Guaranteed
2716	Burley Tobacco Grower	H. W. Noland, Richmond.....
2717		Perfection Feed Store, Winchester.....
2718		Eldred Hardware Co., Princeton.....
		Guaranteed
1721	Potato Grower	Manufacturer
		Guaranteed
2355	Tobacco Mixture	Skidmore Hardware Co., Elizabethtown
2719		Duff Grain Co., Mt. Sterling.....
2720		Mayhew Feed Co., Franklin.....
2721		Estill and Thomas, Owingsville.....
		Guaranteed
2356	Potato Mixture	Walters and Thompson, Shelbyville....
		Guaranteed
1724	Truck and Tobacco Fertilizer	Manufacturer
		Guaranteed

* The manufacturer failed to furnish sample as required by law.

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
						48.00		57.6	1443
							48.00	72.0	1444
3.22	4.29	9.65						31.6	2352
3.69	4.35	10.60						33.3	2353
	4.00	10.00						31.0	
5.37	5.37	8.85				8.24	1.69	47.2	1710
	4.00	8.00				6.00		35.2	
6.59	6.59	9.00				8.28	1.08	51.4	1711
	6.00	8.00				6.00		43.2	
6.75	6.75	9.00				0.88	8.12	53.7	1712
	6.00	8.00					6.00	45.0	
5.56	6.01	8.20				6.36		44.0	2711
	6.00	8.00				6.00		43.2	
6.08	6.08	10.80				0.88	7.95	53.5	1714
	5.00	10.00					5.00	42.5	
6.00	6.00	10.65				6.80	2.12	51.3	1715
	5.00	10.00				5.00		41.0	
3.52	4.09	15.35				4.63		45.0	2712
	4.00	16.00				4.00		44.8	
5.44	5.44	11.50				0.92	8.16	52.4	1717
	4.00	10.00					4.00	37.0	
3.63	4.12	10.40				4.68		37.7	2713
3.50	4.16	10.05				4.33		36.9	2714
3.70	4.24	9.95				4.48		37.3	2715
	4.00	10.00				4.00		35.8	
3.07	3.47	8.45				1.88	10.57	44.7	2354
	3.00	8.00					12.00	42.0	
2.60	3.09	8.25				1.04	4.91	33.4	2716
2.67	3.07	8.95				0.96	5.42	35.0	2717
2.67	3.33	8.95				0.92	4.82	35.1	2718
	3.00	8.00					6.00	33.0	
4.29	4.29	9.10				1.04	9.40	46.2	1721
	3.00	8.00					6.00	33.0	
2.86	3.15	8.65				5.78		32.5	2355
2.82	3.39	8.05				6.98		34.0	2719
2.81	3.29	8.70				6.20		33.7	2720
2.84	3.37	8.65				5.93		33.6	2721
	3.00	8.00				6.00		31.2	
2.27	2.70	9.10				6.07		31.7	2356
	3.00	8.00				6.00		31.2	
4.32	4.32	7.20				4.48	5.15	41.2	1724
	3.00	8.00				3.00		27.6	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
2722	The Price Chemical Co., Inc., A-1 Grain Grower	Louisville, Ky.—Con. C. C. Crabbe and Co., Eminence..... Guaranteed
1726	Tomato Special	Manufacturer
2723	Corn and Wheat Fertilizer	Guaranteed
2951		St. Matthews Produce Exchange, St. Matthews
2952		Aaron L. Moore, Leitchfield
2357	Beef, Blood and Bone	I. K. Miller and Son, Campbellsville..... Guaranteed
2953		Skidmore Hardware Co., Elizabethtown
2954		I. K. Miller and Son, Campbellsville..... W. L. Anderson and Sons, Caneyville.... Guaranteed
2724	Old Time Tobacco Fertilizer	Scottsville Produce Co., Scottsville..... Guaranteed
2358	Blue Grass Tobacco Fertilizer.....	I. K. Miller and Son, Campbellsville.....
2725		Mayhew Feed Co., Franklin
2726		Aaron L. Moore, Leitchfield..... Guaranteed
2727	Harvest King	Perfection Feed Store, Winchester.....
2955		I. K. Miller and Son, Campbellsville..... Guaranteed
1732	Ten and Ten Percent Potash.....	Manufacturer
2728	Phosphate and Potash	Guaranteed
2956		Mayhew Feed Co., Franklin
2957	Phosphate and Tobacco (200-lb. Gr. Tob. Stems)	Aaron L. Moore, Leitchfield
1735	40% Superphosphate	Guaranteed
1736	24% Superphosphate	I. K. Miller and Son, Campbellsville..... Manufacturer
2359	20% Superphosphate	Guaranteed
2156	16% Superphosphate	Thompson's Store, Loretto
2360		Guaranteed
2361		Experiment Station, Lexington
2729		J. T. Sanders, Straw
2730		Walters and Thompson, Shelbyville.....
2958		H. W. Noland, Richmond
2959		W. L. Anderson and Son, Caneyville..... Aaron L. Moore, Leitchfield..... I. K. Miller and Son, Campbellsville.... Guaranteed
1739	Five-Eight-Five Potato Fertilizer..	Manufacturer
2362	Raw Bone	Guaranteed
		Skidmore Hardware Co., Elizabethtown
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
1.76	2.34	12.10				5.99		34.7	2722
	2.00	12.00				6.00		33.2	
3.17	3.17	12.20				8.56	3.26	46.1	1726
	2.00	12.00				6.00		33.2	
1.62	2.20	12.15				1.96		29.4	2723
1.96	2.41	12.35				2.30		30.9	2951
1.48	2.17	12.00				2.36		29.5	2952
	2.00	12.00				2.00		28.4	
1.81	2.40	9.65				2.58		27.2	2357
1.42	2.11	9.95				2.08		25.9	2953
1.57	2.20	10.05				2.31		26.6	2954
	2.00	10.00				2.00		25.4	
1.89	2.46	8.40				0.92	4.57	30.4	2724
	2.00	8.00					5.00	27.5	
1.79	2.31	8.65				4.20		27.3	2358
1.48	2.06	8.85				3.98		26.3	2725
1.84	2.41	8.95				4.00		27.9	2726
	2.00	8.00				4.00		24.8	
2.05	2.40	8.80				4.31		28.0	2727
1.91	2.40	7.55				4.18		26.0	2955
	2.00	8.00				4.00		24.8	
		11.50				11.99		31.6	1732
		10.00				10.00		27.0	
		10.40				4.33		20.8	2728
		10.55				4.16		20.8	2956
		10.00				4.00		19.8	
		14.45						17.3	2957
		14.00						16.8	
		44.00						52.8	1735
		40.00						48.0	
		27.80						33.4	1736
		24.00						28.8	
		20.35						24.4	2359
		20.00						24.0	
		15.70						18.8	2156
		16.40						19.7	2360
		15.70						18.8	2361
		15.80						19.0	2729
		15.15						18.2	2730
		16.60						19.9	2958
		16.70						20.0	2959
		16.00						19.2	
6.46	6.46	7.75				7.08	3.03	50.5	1739
	5.00	8.00				5.00		38.0	
	3.89		23.20	60	40			38.8	2362
	3.71		22.00					36.8	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
1741	The Price Chemical Co., Inc., Steamed Bone Meal 1.65-27	Louisville, Ky.—Con. Manufacturer
2363	Potato and Tobacco Mixture.....	Guaranteed
1837	Rasin-Monumental Co., Sub. Va.- Rasin's Phospho Tobacco 16% *	Cogar Grain and Coal Co., Harrodsburg Guaranteed
1838	Rasin's Phospho Tobacco 24%	Car. Chem. Corp., Inc., Cincinnati, O. Guaranteed
1839	Rasin's Potash Phospho Tobacco 0-14-4	Manufacturer
1840	Rasin's Ammoniated Phospho Tobacco 2-12-2	Guaranteed
2364	Rasin's Superphosphate 16%	Manufacturer
1960		Guaranteed
2731	Rasin's Superphosphate 20%	C. M. Langdon, Science Hill Barren County Gro. and Hdw. Co., Glasgow
2961		Guaranteed
1843	Rasin's Superphosphate 24%	Farmers Supply Co., Lexington Barren County Grocery and Hardware Co., Glasgow
1844	Rasin's 0-10-4 Phosphate and Potash	Guaranteed
1845	Rasin's Corn and Wheat Grower.....	Manufacturer
1846	Basin's Sweepstakes Fertilizer.....	Guaranteed
1847	Rasin's Black Patch Tobacco Grower	Manufacturer
1848	Rasin's Potato and Truck	Guaranteed
1849	Rasin's 2-8-4 Tobacco Grower (Potash from Sulfate)	Manufacturer
2732	Rasin's Burley Tobacco Grower (Potash from Sulfate)	Guaranteed
		Farmers Supply Co., Lexington Guaranteed

* The manufacturer failed to furnish sample as required by law.

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number	
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate			
2.62	2.31		28.80	70	30			38.0	1741	
	1.65		27.00					33.6		
	3.04	8.65				6.21		32.6		
	3.00	8.00				6.00		31.2		
1.89	2.27								1837	
			16.00						19.2	1838
			23.75						28.5	
			24.00						28.8	
			14.25				4.19		26.4	1839
			14.00				4.00		25.8	
			12.65				1.44	0.74	30.9	1840
			12.00				2.00		28.4	
			16.40						19.7	2364
			16.85						20.2	2960
			16.00						19.2	
			21.10						25.3	2731
			19.75						23.7	2961
			20.00						24.0	
			24.45						29.3	1843
			24.00						28.8	
			10.00				4.24		20.1	1844
			10.00				4.00		19.8	
1.88	2.08	10.20		2.29	26.4	1845				
	2.00	10.00		2.00	25.4					
1.92	2.12	12.15		2.32	29.5	1846				
	2.00	12.00		2.00	28.4					
3.14	3.34	9.95			3.33	32.2	1847			
	3.00	10.00			3.00	30.6				
3.28	3.28	12.65			4.63	37.7	1848			
	3.00	12.00			4.00	34.8				
2.03	2.26	8.90				4.75	29.5	1849		
	2.00	8.00				4.00	26.0			
2.66	3.03	8.15				0.64	5.32	33.1	2732	
	3.00	8.00					6.00	33.0		

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
2733	Read Phosphate Co., Red Diamond Special 2-8-8.....	Nashville, Tenn. Hollingsworth-Young Hardware Co., Bowling Green
2734	Red Diamond 2-8-8	Guaranteed
2365		J. S. Hamblin and Son, Auburn.....
		J. H. Jasper, W. Somerset.....
		Guaranteed
2366	Red Diamond 2-8-5	I. K. Miller and Son, Campbellsville.....
2367		W. J. Ganaway, Hodgenville.....
2735		L. F. Thurmond, Murray
		Guaranteed
2368	Red Diamond 3-8-6	T. Z. Leachman, Greensburg.....
2369		E. C. Umble, Russell Springs.....
2736		Hughes and Tiffany, Franklin.....
		Guaranteed
2737	Old Ky. Tobacco Grower 3-8-6.....	J. W. Lawson, Paducah.....
2738		Mayfield Milling Co., Mayfield.....
		Guaranteed
2370	Red Diamond Blood and Bone No. 1, 2-10-2	W. J. Ganaway, Hodgenville.....
2371		J. H. Jasper, W. Somerset
		Guaranteed
2372	Red Diamond 3-10-3	W. J. Ganaway, Hodgenville.....
		Guaranteed
1461	Red Diamond Tobacco Special 3-10-3	Manufacturer
		Guaranteed
2373	Red Diamond 2-10-3	J. H. Jasper, W. Somerset
2739		J. S. Hamblin and Son, Auburn.....
		Guaranteed
2741	†Red Diamond 4-16-4	O. M. Holloway, Sedalia.....
		Guaranteed
1464	Red Diamond 2-12-4	Manufacturer
		Guaranteed
1465	Red Diamond Premium Grain Grower 2-12-2	Manufacturer
		Guaranteed
1466	Red Diamond 2-16-2	Manufacturer
		Guaranteed
2374	Red Diamond H. Gr. Potash Mixture	Hollingsworth-Young Hardware Co., Bowling Green
2375		J. H. Jasper, W. Somerset.....
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
1.74	2.17 2.00	9.00 8.00				5.40	2.69 8.00	32.7 32.0	2733
1.59	2.08	9.20				2.16	5.60	33.1	2734
1.91	2.11 2.00	9.00 8.00				9.31 8.00		33.1 29.6	2365
1.94	2.20	9.05				5.66		29.2	2366
1.86	2.09	8.15				5.53		27.2	2367
1.90	2.20 2.00	8.15 8.00				5.99 5.00		28.2 26.0	2735
3.62	3.62	11.15				8.56		41.5	2368
2.54	3.06	8.50				6.92		33.3	2369
2.34	2.83 3.00	8.90 8.00				6.00 6.00		31.9 31.2	2736
2.42	3.05	8.85				3.48	2.55	33.5	2737
2.41	3.14 3.00	8.85 8.00				1.52	4.16 6.00	33.9 33.0	2738
1.62	2.09	11.00				2.15		27.4	2370
1.62	2.06 2.00	11.95 10.00				2.29 2.00		28.9 25.4	2371
3.10	3.36 3.00	11.60 10.00				3.96 3.00		35.4 30.6	2372
3.21	3.71 3.00	11.55 10.00					3.73 3.00	37.8 31.5	1461
1.53	1.77	13.00				3.41		30.7	2373
1.46	2.21 2.00	10.50 10.00				3.36 3.00		28.6 26.6	2739
4.06	4.06 4.00	16.30 16.00				4.67 4.00		46.3 44.8	2741
2.20	2.49 2.00	14.90 12.00				4.80 4.00		38.1 30.8	1464
1.92	2.35 2.00	13.35 12.00				2.51 2.00		32.4 28.4	1465
2.31	2.31 2.00	17.85 16.00				2.48 2.00		39.0 34.4	1466
		10.60				3.78		20.4	2374
		10.05 10.00				4.91 4.00		21.0 19.8	2375

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Read Phosphate Co.,	Nashville Tenn.—Con.
2376	Red Diamond 16% Super-phosphate	Grigsby and Co., Bardstown
2742		F. M. Mitchell, Scottsville.....
2743		Cumberland Fruit and Produce Co., Middlesboro
2744		Busholder Bros., Crofton
2962		J. S. Hamblin and Son, Auburn.....
2963		F. M. Mitchell, Scottsville.....
		Guaranteed
2377	Red Diamond 18% Super-phosphate	W. J. Ganaway, Hodgenville
		Guaranteed
2378	Red Diamond 20% Super-phosphate	
2964		J. H. Jasper, W. Somerset.....
		J. S. Hamblin and Son, Auburn.....
		Guaranteed
1471	Raw Bone Meal	Manufacturer
		Guaranteed
2379	Nitrate of Soda	W. J. Ganaway, Hodgenville.....
2745		Bradley Bros., Paducah
		Guaranteed
2380	Red Diamond 4-12-8	T. Z. Leachman, Greensburg.....
2381		Grigsby and Co., Bardstown
2746		Vick Smith, Bowling Green
		Guaranteed
1708	Red Diamond 4-12-4 Muriate	Manufacturer
		Guaranteed
2123	Red Diamond 32% Super-phosphate	Manufacturer
		Guaranteed
	Shur-Gro Fertilizer Corporation,	Pittsburg, Pa.
1981	Shur-Gro	Manufacturer
		Guaranteed
	The Smith Agricultural Chemical	Co., Columbus, O.
1952	Sacco 2-12-2	Manufacturer
		Guaranteed
1953	Sacco 2-14-4	Manufacturer
		Guaranteed
1954	Sacco 2-12-6	Manufacturer
		Guaranteed
1955	Sacco 2-16-2	Manufacturer
		Guaranteed
1956	Sacco 2-8-10	Manufacturer
		Guaranteed
1957	Sacco 4-24-4	Manufacturer
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
		17.15						20.6	2376
		18.55						22.3	2742
		18.35						22.0	2743
		18.30						22.0	2744
		16.95						20.3	2962
		17.00						20.4	2963
		16.00						19.2	
		19.85						23.8	2377
		18.00						21.6	
		21.55						25.9	2378
		20.40						24.5	2964
		20.00						24.0	
	4.45		21.95	60	40			39.8	1471
	3.70		20.00					34.8	
	16.16							64.6	2379
	15.96							63.8	2745
	15.00							60.0	
3.92	3.92	11.70				7.76		42.5	2380
3.91	3.91	12.25				8.42		44.1	2381
3.85	3.85	12.70				7.81		43.8	2746
	4.00	12.00				8.00		43.6	
4.26	4.47	13.85				5.14		44.8	1708
	4.00	12.00				4.00		38.8	
		34.30						41.2	2123
		32.00						38.4	
3.71	3.71	8.10				12.15		41.6	1981
	3.00	8.00				12.00		38.4	
1.90	2.20	11.80				1.92		28.8	1952
	2.00	12.00				2.00		28.4	
1.86	2.14	13.10				3.86		32.8	1953
	2.00	14.00				4.00		33.8	
1.81	2.08	11.10				5.96		32.1	1954
	2.00	12.00				6.00		33.2	
1.74	2.05	15.50				2.04		33.9	1955
	2.00	16.00				2.00		34.4	
1.45	2.11	7.50				9.89		31.6	1956
	2.00	8.00				10.00		32.0	
4.02	4.33	23.00				3.95		56.6	1957
	4.00	24.00				4.00		56.8	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	The Smith Agricultural Chemical Co., Columbus, O.—Con.	
1958	Sacco 4-12-4	Manufacturer
		Guaranteed
1959	Sacco 4-8-6	Manufacturer
		Guaranteed
1961	Sacco 0-14-6	Manufacturer
		Guaranteed
1962	Sacco 0-14-4	Manufacturer
		Guaranteed
1963	Sacco 16% Superphosphate	Manufacturer
		Guaranteed
1964	Sacco 20% Superphosphate	Manufacturer
		Guaranteed
2073	Wedo	Manufacturer
		Guaranteed
	Southern Fertilizer Co., Inc., Louisville, Ky.	
2748	Elk Special Tobacco Grower	Bush Coal Co., Winchester
		Guaranteed
	Standard Wholesale Phosphate and Acid Works, Inc., Baltimore Md.	
2814	Standard United States 16% Superphosphate	*
		Guaranteed
2815	Standard United States 20% Superphosphate	*
		Guaranteed
2816	Standard United States Rainbow Brand	*
		Guaranteed
	Swift and Co., Inc., Fertilizer Works, St. Louis, Mo.	
1488	Swift's Red Steer 8-24-8	Manufacturer
		Guaranteed
2382	Swift's Red Steer 8-16-16	J. H. Baughman and Co., Stanford
2749		Byrley Supply Co., Pineville
		Guaranteed
2383	Swift's Red Steer 4-16-4	J. H. Baughman and Co., Stanford
2750		Byrley Supply Co., Pineville
2966		Mrs. C. C. Collier, Crab Orchard
2967		J. H. Baughman and Co., Stanford
		Guaranteed
1491	Swift's Red Steer 4-12-4	Manufacturer
		Guaranteed
1493	Swift's Red Steer 4-9-5 Tobacco Grower	Manufacturer
		Guaranteed

* The manufacturer failed to furnish sample as required by law.

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
3.80	4.13 4.00	11.40 12.00				4.10 4.00		33.5 38.8	1958
3.92	4.24 4.00	8.35 8.00				5.90 6.00		36.6 35.2	1959
		13.05 14.00				6.52 6.00		27.4 28.2	1961
		13.35 14.00				3.89 4.00		24.7 25.8	1962
		15.25 16.00						18.3 19.2	1963
		19.20 20.00						23.0 24.0	1964
5.41	7.70 8.00	5.65 5.00				2.89 3.00		42.8 43.1	2073
1.63	2.04 2.00	7.30 8.00				0.76	3.92 4.00	25.9 26.0	2748
									2814
		16.00						19.2	2815
		20.00						24.0	2816
	2.00	12.00				2.00		28.4	1488
7.80	7.80 8.00	23.45 24.00				8.98 8.00		77.2 77.6	2382
7.70	7.70	16.90				16.26		75.7	2749
8.06	8.06 8.00	16.00 16.00				15.96 16.00		75.4 75.2	2383
4.33	4.33	17.00				4.09		47.7	2750
3.95	3.95	16.60				3.91		45.4	2966
4.08	4.08	16.00				3.99		45.1	2967
4.14	4.14 4.00	16.40 16.00				4.11 4.00		46.1 44.8	1491
4.30	4.30 4.00	11.20 12.00				4.38 4.00		39.3 38.8	1493
3.93	3.93 4.00	9.60 9.00				0.56	4.75 5.00	37.9 37.0	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
2384	Swift and Co., Inc., Fertilizer	Works, St. Louis, Mo.—Con.
2385	Swift's Red Steer 4-10-6 Tobacco	W. A. Banta, Pleasureville.....
2386	Grower	J. A. Bennett, Bloomfield
2751		J. H. Baughman and Co., Stanford.....
		John P. Marriott, Cecilia
		Guaranteed
2387	Swift's Red Steer 3-8-6 Tobacco	Jasper Produce Co., Science Hill.....
2388	Grower	J. H. Baughman and Co., Stanford.....
2389		J. B. Hatcher and Co., Glasgow Junction
2752		Lewisport Mill Co., Lewisport.....
		Guaranteed
1496	Swift's Red Steer 3-12-4	Manufacturer
		Guaranteed
1497	Swift's Red Steer 3-8-6	Manufacturer
		Guaranteed
2390	Swift's Red Steer 2-12-6.....	Jasper Produce Co., Science Hill
2968		Mrs. C. C. Collier, Crab Orchard
		Guaranteed
2391	Swift's Red Steer 2-12-2.....	Farmers Supply Co., Smith's Grove.....
2753		J. W. Collier, Crab Orchard.....
2969		Mrs. C. C. Collier, Crab Orchard.....
		Guaranteed
2754	Swift's Red Steer 0-14-6.....	Brodhead Supply Co., Brodhead.....
		Guaranteed
2755	Swift's Red Steer 20% Super-phosphate	Garrard Mills, Lancaster
2970		J. H. Baughman and Co., Stanford.....
		Guaranteed
2756	Swift's Red Steer 16% Super-phosphate	Garrard Mills, Lancaster
2757		Turner Supply Co., Smith's Grove.....
2971		Mrs. C. C. Collier, Crab Orchard.....
		Guaranteed
1504	Swift's Steamed Bone Fertilizer..	Manufacturer
		Guaranteed
2758	Swift's Vigoro	Hall Seed Co., Louisville.....
		Guaranteed
2759	Swift's Red Steer 4-8-4 Plant	Garrard Mills, Lancaster
2760	Bed Fertilizer	R. E. Shocklee, Livermore.....
2761		Spears-Kiser, Paris
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
3.73	3.73	10.45				2.16	4.08	39.3	2384
4.05	4.05	10.05				1.00	5.36	40.5	2385
4.03	4.03	10.05				1.52	4.59	39.9	2386
4.05	4.05	9.95				0.80	5.43	40.2	2751
	4.00	10.00					6.00	40.0	
3.12	3.12	8.70				0.96	5.10	34.3	2387
3.20	3.20	8.85				0.88	5.41	35.3	2388
3.11	3.11	9.00				0.72	5.44	35.0	2389
3.04	3.04	8.15				0.76	5.38	33.4	2752
	3.00	8.00					6.00	33.0	
2.54	3.00	12.45				4.13		35.6	1496
	3.00	12.00				4.00		34.8	
2.99	2.99	8.20				0.64	5.44	33.2	1497
	3.00	8.00				6.00		31.2	
2.15	2.15	12.40				6.36		34.8	2390
2.19	2.19	11.95				6.12		34.0	2968
	2.00	12.00				6.00		33.2	
2.10	2.10	12.70				2.19		30.1	2391
2.23	2.23	12.35				2.58		30.6	2753
2.08	2.08	11.95				2.49		29.2	2969
	2.00	12.00				2.00		28.4	
		13.95				6.56		28.8	2754
		14.00				6.00		28.2	
								25.5	2755
		21.25						24.2	2970
		20.15						24.0	
		20.00							
		17.60						21.1	2756
		17.15						20.6	2757
		16.25						19.5	2971
		16.00						19.2	
	1.71		29.50	91	9			36.3	1504
	1.00		29.00					33.0	
3.79	4.18	12.75				4.18		40.9	2758
	4.00	12.00				4.00		38.8	
4.02	4.02	9.45				3.90		34.9	2759
3.96	3.96	9.20				4.08		34.5	2760
4.02	4.02	8.75				3.95		34.0	2761
	4.00	8.00				4.00		32.8	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
2050	Synthetic Nitrogen Products Nitrophoska No. 1 (15-30-15)	Corp., New York City, N. Y. Manufacturer Guaranteed
2051	Calcium Nitrate (Nitrate of Lime)	Manufacturer Guaranteed
2052	Urea (Floranid-Urea)	Manufacturer Guaranteed
	Tennessee Chemical Co., (Armour owned)	Cincinnati, Louisville, Nashville.
2762	Ox 16% Superphosphate	P. A. Blackwell and Co., Henderson.....
2763		J. J. Shaver, Mayfield
2972		J. J. Shaver, Mayfield.....
2973		W. C. Granger, Franklin
		Guaranteed
1633	Ox 20% Superphosphate	Manufacturer Guaranteed
1634	Ox 32% Superphosphate	Manufacturer Guaranteed
2764	Ox 4-16-4 Fertilizer	Young Hardware Co., Hopkinsville.....
2765		Morganfield Hardware and Grocery Co., Morganfield
		Guaranteed
1636	Ox 2-16-8 Fertilizer	Manufacturer Guaranteed
1637	Ox 2-12-2 Fertilizer	Manufacturer Guaranteed
1638	Ox 0-16-8	Manufacturer Guaranteed
1639	Ox 0-12-4	Manufacturer Guaranteed
2974	Ox Bone Meal	W. C. Granger, Franklin.....
		Guaranteed
2766	Ox Raw Bone	Young Hardware Co., Hopkinsville.....
		Guaranteed
1642	Ox Nitrate of Soda	Manufacturer Guaranteed
1643	Ox 3-8-6 Fertilizer	Manufacturer Guaranteed
1644	Ox 2-12-10 Fertilizer	Manufacturer Guaranteed
2770	Ox Old Black Joe	Sexton Bros., Murray
2771		Vick Smith, Bowling Green
2772		B. W. Cowherd, Gracey
		Guaranteed
1647	Ox 5-15-5 Fertilizer	Manufacturer Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
15.00	15.00 15.00	28.95 30.00				15.76 15.00		122.3 123.0	2050
	14.48 15.00							57.9 60.0	2051
	46.40 46.00							185.6 184.0	2052
		17.05						20.5	2762
		17.15						20.6	2763
		16.90						20.3	2972
		17.15						20.6	2973
		16.00						19.2	
		21.00						25.2	1633
		20.00						24.0	
		33.70						40.4	1634
		32.00						38.4	
4.22	4.22	16.40				4.31		46.7	2764
4.33	4.33 4.00	16.85 16.00				4.32 4.00		47.8 44.8	2765
2.24	2.24 2.00	16.80 16.00				8.09 8.00		43.9 41.6	1636
2.22	2.22 2.00	12.10 12.00				2.25 2.00		29.7 28.4	1637
		16.70				8.25		35.0	1638
		16.00				8.00		33.6	
		12.80				4.76		24.9	1639
		12.00				4.00		22.8	
	2.70		26.70	78	22			37.5	2974
	2.00		24.00					32.0	
	3.69		23.20	87	13			38.0	2766
	3.70		22.00					36.8	
	16.16							64.6	1642
	15.00							60.0	
3.18	3.18 3.00	8.15 8.00				6.09 6.00		32.3 31.2	1643
2.11	2.37 2.00	11.70 12.00				9.53 10.00		38.5 38.0	1644
1.25	1.66	10.75				3.72		27.2	2770
1.56	1.99	10.80				4.13		29.1	2771
2.00	2.32	11.60				4.05		31.5	2772
	2.00	10.00				4.00		27.8	
4.93	5.14	15.25				5.68		50.3	1647
	5.00	15.00				5.00		48.5	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Tennessee Chemical Co., (Armour owned)	Cincinnati, Louisville, Nashville—Con.
2773	Ox 0-10-4	W. C. Granger, Franklin
2975		Vick Smith, Bowling Green
		Guaranteed
1649	Ox Guano	Manufacturer
		Guaranteed
2774	Ox 3-10-3 Guano	Young Hardware Co., Hopkinsville
2775		V. B. Nuckols, Elkton
		Guaranteed
1967	Ox 4-12-4 Guano	Manufacturer
		Guaranteed
2976	Ox Guano 4-10-0	V. B. Nuckols, Elkton
		Guaranteed
	Tennessee Corporation,	Lockland, O.
1507	Loma	Manufacturer
		Guaranteed
	Texas Chemical Co.,	Houston, Texas
1447	T. C. C. Raw Bone Meal	Manufacturer
		Guaranteed
1448	T. C. C. Powdered Raw Bone	Manufacturer
		Guaranteed
	United Chemical and Organic	Products Co., Chicago, Ill.
1984	U-Cop-Co Raw Bone Meal	Manufacturer
		Guaranteed
	Wessel, Duval and Co.,	New York City, N. Y.
1680	Chilean Nitrate of Soda	*
		Guaranteed
	Virginia-Carolina Chem.	Corporation, Inc., Richmond, Va.
1486	Bloom Aid	Manufacturer
		Guaranteed
1487	V-C Fairway Fertilizer	Manufacturer
		Guaranteed
	Virginia-Carolina Chem.	Corporation, Inc., Cincinnati, O.
2392	V-C Phospho Tobacco 16%	L. W. Jones, Russell Springs
		Guaranteed
1651	V-C Phospho Tobacco 24%	Manufacturer
		Guaranteed
1652	V-C Potash Phospho Tobacco 0-10-10	Manufacturer
		Guaranteed

* The manufacturer failed to furnish sample as required by law.

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
		10.75				3.97		20.9	2773
		9.95				4.07		19.8	2975
		10.00				4.00		19.8	
1.88	2.20	9.95				2.31		26.5	1649
	2.00	10.00				2.00		25.4	
2.57	2.80	11.45				3.20		32.2	2774
3.44	3.70	10.90				3.86		35.8	2775
	3.00	10.00				3.00		30.6	
4.01	4.24	11.80				3.74		39.2	1967
	4.00	12.00				4.00		38.8	
3.31	3.87	11.25						32.4	2976
	4.00	10.00						31.0	
4.86	5.19	10.30				4.07		41.1	1507
	5.00	10.00				4.00		39.8	
	4.05		24.25	85	15			40.5	1447
	3.70		22.00					36.8	
	3.57		19.40	100				33.7	1448
	3.75		18.00					33.0	
	4.50		23.95	69	31			42.0	1984
	3.70		22.00					36.8	
	15.25							61.0	1680
4.07	4.97	10.45				1.04	3.21	41.6	1486
	5.00	10.00				4.00		39.8	
5.36	6.76	6.05				5.50		42.7	1487
	6.00	6.00				5.00		39.0	
		17.40						20.9	2392
		16.00						19.2	
		23.75						28.5	1651
		24.00						28.8	
		11.25				10.69		29.7	1652
		10.00				10.00		27.0	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
1653	Virginia-Carolina Chem. V-C Potash Phospho Tobacco 0-14-4	Corporation, Inc., Cincinnati, O.—Con. Manufacturer Guaranteed
2393	V-C Ammoniated Phospho Tobacco 2-12-2	L. W. Jones, Russell Springs.....
2977		Hatter Hardware Co., Franklin
2394	V-C Ammoniated Phospho Tobacco 2-12-6	Guaranteed
2776		A. W. Tarter, Columbia
2777	V-C Ammoniated Phospho Tobacco 3-12-4	Hatter Hardware Co., Franklin..... Guaranteed
2396	V-C Superphosphate 16%	Scottsville Feed Co., Scottsville..... Guaranteed
2397		A. W. Tarter, Columbia
2398		E. T. Ford, Cave City
2399		Farmers Union Supply Co., Glasgow...
2978		H. A. Spradlin, Monticello
2979		Scottsville Feed Co., Scottsville.....
2380		A. W. Tarter, Columbia
2400	V-C Superphosphate 20%	Farmers Union Supply Co., Glasgow...
2778		Guaranteed
2779		Stanford Supply Co., Stanford.....
2780		Atherton Lumber Co., Livermore.....
2981		D. C. Dawson, Jr., Olmstead
		C. A. Casteel, E. Bernstadt
		Geo. Richardson, Somerset
		Guaranteed
2781	V-C Superphosphate 24%	Tyler Milling Co., Paducah
1660	V-C Concentrated Super- phosphate 44%	Guaranteed
2782	V-C Capitol Phosphate and Potash 0-10-4	Manufacturer Guaranteed
2783		B. D. Jordan and Son, Flemingsburg.....
2982		J. B. Millard, Auburn
2983		A. W. Tarter, Columbia
		Eubank Hardware Co., Eubank.....
		Guaranteed
2784	V-C Plow Brand 0-10-10	Scottsville Feed Co., Scottsville.....
1663	V-C Prolific Crop Grower 0-14-4.....	Guaranteed
2401	V-C Tobacco Special 2-8-4 (Potash from Sulfate)	Manufacturer Guaranteed
2402		J. B. Hatcher and Co., Glasgow Junction
2785		J. W. Schoolcraft, Somerset.....
		Jack Hysinger, Mt. Vernon
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
		14.25				4.19		26.4	1653
		14.00				4.00		25.8	
1.83	2.03	13.60				1.64	0.69	31.5	2393
1.76	2.03	12.40				2.37		29.6	2977
	2.00	12.00				2.00		28.4	
2.10	2.31	13.40				5.36	1.02	37.3	2394
1.77	2.18	11.75				6.29		33.9	2776
	2.00	12.00				6.00		33.2	
2.82	3.27	11.55				4.14		35.4	2777
	3.00	12.00				4.00		34.8	
		16.25						19.5	2396
		17.45						20.9	2397
		17.50						21.0	2398
		17.45						21.9	2399
		17.10						20.5	2978
		16.20						19.4	2979
		16.75						20.1	2980
		16.00						19.2	
		22.10						26.5	2400
		21.55						25.9	2778
		22.50						27.0	2779
		22.30						26.8	2780
		21.05						25.3	2981
		20.00						24.0	
		25.95						31.1	2781
		24.00						28.8	
		45.00						54.0	1660
		44.00						52.8	
		10.00				4.18		20.0	2782
		11.45				3.91		21.9	2783
		11.60				3.77		21.9	2982
		9.90				4.17		19.9	2983
		10.00				4.00		19.8	
		10.05				10.25		27.4	2784
		10.00				10.00		27.0	
		13.70				4.07		25.4	1663
		14.00				4.00		25.8	
1.44	2.01	9.35					3.86	27.9	2401
2.33	2.33	8.60					4.37	28.8	2402
2.13	2.34	9.35				1.24	2.67	28.9	2785
	2.00	8.00					4.00	26.0	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Virginia-Carolina Chem.	Corporation, Inc., Cincinnati, O.—Con.
2786	V-C Blue Grass Tobacco and Wheat 2-8-8	D. C. Dawson, Jr., Olmstead
2787		Jack Hysinger, Mt. Vernon
		Guaranteed
2403	V-C Beef, Blood and Bone B. B. B. 2-10-2	J. W. Schoolcraft, Somerset
2788		M. G. Parman, London
		Guaranteed
2404	V-C Corn and Wheat Grower 2-10-2	A. W. Tarter, Columbia
2789		C. A. Casteel, E. Bernstadt
2984		A. W. Tarter, Columbia
2985		Eubank Hardware Co., Eubank
		Guaranteed
1668	V-C Owl Brand 2-12-2	Manufacturer
		Guaranteed
2395	V-C Farmer's Friend 2-12-6	Pollard Bros., Croppers
2790		J. K. Butcher, Paintsville
2986		Geo. Richardson, Somerset
2987		Clem Keltner, Campbellsville
		Guaranteed
1670	V-C Quality Crop Grower 2-14-4	Manufacturer
		Guaranteed
2405	V-C Tobacco and Truck 3-8-6	Stewart and Co., Munfordville
2406		H. A. Spradlin, Monticello
2791		C. A. Casteel, E. Bernstadt
2792		D. C. Dawson, Jr., Olmstead
		Guaranteed
2407	V-C Quality Tobacco Grower 3-8-6 (Potash from Sulfate)	Pollard Bros., Cropper
2418		R. W. Combs, College Hill
2793		M. G. Parman, London
		Guaranteed
2408	V-C Black Patch Tobacco Grower 3-10-3	A. W. Tarter, Columbia
2794		Hatter Hardware Co., Franklin
2795		J. K. Butcher, Paintsville
		Guaranteed
2796	V-C Tobacco Plant Food 3-11-0	Ratliff Bros. and Co., Carlisle
		Guaranteed
2797	V-C Big Potato and Truck 3-12-4	J. K. Butcher, Paintsville
2798		C. A. Casteel, E. Bernstadt
2799		J. B. Millard, Auburn
		Guaranteed
2800	V-C Burley Tobacco Grower 4-10-6	Maysville Milling and Feed Co., Maysville
2801		Scottsville Feed Co., Scottsville
		Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
2.02	2.31	8.70				9.08		33.2	2786
2.02	2.02	9.00				7.60		30.7	2787
	2.00	8.00				8.00		29.6	
1.85	2.07	10.35				2.52		26.6	2403
2.13	2.13	11.20				2.06		27.8	2788
	2.00	10.00				2.00		25.4	
1.86	2.06	10.40				2.31		26.6	2404
2.20	2.20	10.95				2.03		27.7	2789
1.59	1.94	10.65				2.09		26.3	2984
1.76	2.03	10.45				2.16		26.4	2985
	2.00	10.00				2.00		25.4	
1.92	2.12	12.15				2.32		29.5	1668
	2.00	12.00				2.00		28.4	
2.02	2.02	12.15				6.46		34.1	2395
2.04	2.04	12.15				6.40		34.1	2790
1.98	2.26	12.20				5.84		34.4	2986
1.93	2.14	12.80				6.28		35.3	2987
	2.00	12.00				6.00		33.2	
1.80	2.03	14.90				4.17		35.5	1670
	2.00	14.00				4.00		33.8	
2.51	2.90	8.80				6.14		32.2	2405
2.92	2.92	10.15				5.94		34.1	2406
3.06	3.06	10.20				5.32		34.9	2791
2.69	2.96	8.65				6.07		32.1	2792
	3.00	8.00				6.00		31.2	
3.17	3.17	8.10				0.80	5.64	34.3	2407
3.12	3.12	8.95				0.64	5.42	34.8	2418
3.07	3.07	8.40				0.68	5.20	33.5	2793
	3.00	8.00					6.00	33.0	
2.88	2.88	10.15				3.47		30.9	2408
3.09	3.35	10.30				3.67		33.3	2794
3.34	3.34	10.15				3.84		33.2	2795
	3.00	10.00				3.00		30.6	
3.08	3.08	11.95						30.3	2796
	3.00	11.00						28.5	
3.32	3.32	12.50				4.47		37.4	2797
3.25	3.25	12.85				4.40		37.6	2798
2.83	3.08	12.25				4.32		35.9	2799
	3.00	12.00				4.00		34.8	
4.13	4.13	10.75				6.21		40.1	2800
4.00	4.35	10.20				6.63		40.7	2801
	4.00	10.00				6.00		38.2	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
2802	Virginia-Carolina Chem. V-C Tomato and Truck Special 4-12-4	Corporation, Inc., Cincinnati, O.—Con. Sol Carnes, Barboursville
2803		Kentucky Wholesale Co., Pikeville..... Guaranteed
2804	V-C Super 24 Fertilizer 4-16-4	D. C. Dawson, Jr., Olmstead
2806	V-C Pure Bone Meal	Guaranteed
2409	Mt. Pleasant Superphosphate 16%	D. C. Dawson, Jr., Olmstead
2988		Guaranteed
2989		Rupert Devasher, Glasgow
2990		T. W. Hall, Elkton
		Henry Durham, Greensburg
		Norris Hardware and Seed Co., Henderson
1827	Mt. Pleasant Superphosphate 20%	Guaranteed
1828	Mt. Pleasant Phosphate and Potash	Manufacturer
1829	Mt. Pleasant Corn and Wheat Grower	Guaranteed
1830	Mt. Pleasant Springfall Fertilizer	Manufacturer
1831	Mt. Pleasant Quality Crop Grower	Guaranteed
2410	Mt. Pleasant Tobacco Special (Potash from Sulfate)	Manufacturer
1833	Mt. Pleasant Light Burley Tobacco Grower	Guaranteed
1834	Mt. Pleasant Tobacco and Truck Grower	I. K. Miller and Son, Campbellsville..... Guaranteed
1835	Mt. Pleasant Black Patch Tobacco Grower	Manufacturer
1836	Mt. Pleasant Truck Grower.....	Guaranteed
2129	V-C Champion Brand Chilean Nitrate of Soda	Manufacturer
2130	V-C Muriate of Potash	Guaranteed
2805	V-C Kentucky Burley 6-8-6	Manufacturer
		Guaranteed
		Farmers Supply Co., Lexington..... Guaranteed

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
3.68	3.68	14.30				4.03		41.0	2802
4.09	4.09	12.85				4.55		41.1	2803
	4.00	12.00				4.00		38.8	
3.83	4.14	15.95				4.48		45.9	2804
	4.00	16.00				4.00		44.8	
	1.58		30.30	82	18			36.6	2806
	1.00		29.00					33.0	
		17.35						20.8	2409
		17.25						20.7	2988
		17.10						20.5	2989
		17.15						20.6	2990
		16.00						19.2	
		20.05						24.1	1827
		20.00						24.0	
		10.00				4.24		20.1	1828
		10.00				4.00		19.8	
1.88	2.08	10.20				2.29		26.4	1829
	2.00	10.00				2.00		25.4	
1.92	2.12	12.15				2.32		29.5	1830
	2.00	12.00				2.00		28.4	
1.80	2.03	14.90				4.17		35.5	1831
	2.00	14.00				4.00		33.8	
1.64	2.22	8.90					4.24	27.3	2410
	2.00	8.00					4.00	26.0	
3.18	3.18	8.45				6.22		32.9	1833
	3.00	8.00				6.00		31.2	
3.18	3.18	8.45				6.22		32.9	1834
	3.00	8.00				6.00		31.2	
3.14	3.34	9.95				3.33		32.3	1835
	3.00	10.00				3.00		30.6	
3.89	4.11	16.50				4.32		46.4	1836
	4.00	16.00				4.00		44.8	
	16.04							64.2	2129
	15.50							62.0	
						44.72	7.64	65.1	2130
						50.00		60.0	
5.68	5.68	8.90				7.39		44.9	2805
	6.00	8.00				6.00		43.2	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
2810	Virginia-Carolina Chem. V-C Corn and Tobacco Special 3-10-3	Corporation, Inc., Cincinnati, O.—Con. Manufacturer Guaranteed
2811	V-C Good Luck 4-24-4	* Guaranteed
2991	Mt. Pleasant Corn and Tobacco Grower	Henry Durham, Greensburg Guaranteed

* The manufacturer failed to furnish sample as required by law.

TABLE I.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
3.14	3.34	9.95				3.33		32.3	2810
	3.00	10.00				3.00		30.6	2811
	4.00	24.00				4.00		56.8	
1.55	1.90	11.30				2.30		27.3	2991
	2.00	10.00				2.00		25.4	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
2443	Alabama Chemical Company of †Red Cross Tobacco Fertilizer	Ala., Montgomery, Ala. Dairyman's Feed and Supply Co., Mayfield
2448	Red Cross Gold Medal Fertilizer..	Guaranteed
2214	American Agricultural Chemical †N-W Horseshoe High Grade Tobacco Grower	Co., Inc., Cincinnati, O. J. W. Morgan, Pine Knot..... Guaranteed
1926	American Cyanamid Co., Ammo-Phos-Ko No. 2A Mur-Sul Special	New York City, N. Y. Manufacturer
2865	Armour Fertilizer Works, Big Crop 3-8-6 Fertilizer	Louisville, Cincinnati, Nashville. Finley Hardware Co., Madisonville..... Guaranteed
2512	Big Crop 2-12-10 Fertilizer	McLean County Hardware Co., Calhoun Guaranteed
2519	†Big Crop Potato Grower	Powell-Hackney Grocery Co., Hazard.... Guaranteed
2525	Armour's Multiphos	A. A. Clay and Son, Indian Field..... Guaranteed
2237	The Buhner Fertilizer Co., Buhner's H. Gr. Potato-Tobacco Grower 4-10-6	Seymour, Ind. J. H. and J. L. Lyons, Loretto..... Guaranteed
2110	Cleveland Agricultural Chemical Cleveland's Plant Special	Co., New Albany, Ind. Manufacturer
1773	The Consolidated Chemical Co., Camel Brand Steamed Bone Meal 2.47-24-0	Louisville, Ky. Manufacturer
2883	Duncan and Sherley. †Tiger Brand Pure Bone Meal.....	LaGrange, Ky. M. A. Lowry, LaGrange
2553	Tiger Brand Corn and Wheat Grower	Guaranteed
		Manufacturer's warehouse
		Guaranteed

TABLE II.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
2.78	2.78	9.50				4.10		30.3	2443
	3.00	8.00				6.00		31.2	
4.52	4.52	12.25				2.89		39.9	2448
	4.00	12.00				4.00		38.8	
3.00	3.00	9.15				0.72	2.41	30.3	2214
	3.00	10.00					3.00	31.5	
8.68	8.68	17.70				20.08		85.4	1926
	9.00	18.00				6.00	12.00	88.2	
2.72	2.72	8.60				5.14		30.0	2865
	3.00	8.00				6.00		31.2	
2.27	2.50	11.60				8.72		37.9	2512
	2.00	12.00				10.00		38.0	
2.96	2.96	9.70				5.15		32.6	2519
	3.00	8.00				6.00		31.2	
		43.30						52.0	2525
		45.00						54.0	
2.58	3.20	9.60				2.80	5.15	38.3	2237
	4.00	10.00				6.00		38.2	
4.50	4.90	9.90				4.75		40.2	2110
	6.00	8.00				6.00		43.2	
	1.40		29.85	79	21			35.5	1773
	2.47		24.00					33.9	
	3.18		23.45	58	42			36.2	2883
	2.47		25.00					34.9	
4.13	4.61	8.75				2.78		34.9	2553
	2.00	10.00				2.00		25.4	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
2260	The Empire Guano Co., Red Banner 4-16-4	Nashville, Tenn. G. M. Stevenson, Columbia..... Guaranteed
1990	Federal Chemical Co., Inc., Official Formula 2-14-4	Louisville, Ky. Manufacturer
1991	High Grade Fertilizer	Guaranteed
2427	†Special Tobacco Grower	Manufacturer
2563	Tobacco and Potato Fertilizer.....	Guaranteed
1997	Official Formula 2-8-16	Dairyman's Feed and Supply Co., Mayfield
2270	Champion Fertilizer	Guaranteed
2566	Kentucky Tobacco and Potato Grower	H. C. Lawrence, Lynn Grove..... Guaranteed
2568	†High Grade Truck and Tobacco	Manufacturer
2569		Guaranteed
2571	Spl. High Grade Truck and Tobacco	Miss Agnes Davis, Russellville..... Guaranteed
2574	4-8-12 Fertilizer	R. B. Shaver, Greenville..... Guaranteed
2275	†20% Superphosphate	A. E. Beale and Son, Murray..... Guaranteed
2894	†Pure Bone	R. B. Shaver, Greenville..... Guaranteed
2895	4-16-4 Fertilizer	Scottsville Feed Co., Scottsville..... Guaranteed
2587	Daybreak Special Manure	H. C. Lawrence, Lynn Grove..... Guaranteed
2902	Fox Chemical Co., Br. Federal †Fox 16% Superphosphate	T. Z. Leachman, Greensburg
2285	Globe Fertilizer Co., Br. Federal †Ky. Standard Tobacco Grower.....	Guaranteed
2602		The Big Four Co., Franklin..... Guaranteed
2603		Ed. C. Hawkins, Paducah..... Guaranteed
		C. L. Bell, Livia
		Guaranteed
		Chem. Co., Inc., Louisville, Ky. T. Z. Leachman, Greensburg
		Guaranteed
		Chem. Co., Inc., Louisville, Ky. I. K. Miller and Son, Campbellsville.....
		Williamsburg Hardware Co., Williams- burg
		C. F. Shaw and Co., Cave City..... Guaranteed

TABLE II.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
3.31	3.31 4.00	16.20 16.00				3.74 4.00		42.0 44.8	2260
1.85	1.85 2.00	12.40 14.00				7.45 4.00		34.9 33.8	1990
1.98	1.98 2.00	12.70 14.00				7.51 4.00		36.0 33.8	1991
1.52	2.25 2.00	8.05 8.00				4.35 6.00		26.3 27.2	2427
1.68	2.34 2.00	9.15 8.00				8.37 10.00		33.1 32.0	2563
1.85	1.85 2.00	6.50 8.00				14.39 16.00		34.4 39.2	1997
2.48	3.16 4.00	11.60 10.00				2.62 4.00		33.2 35.8	2270
2.08	2.93 5.00	9.25 8.00				1.40	3.82 6.00	33.0 33.0	2566
2.88	3.87	9.85				2.97		33.8	2568
1.71	2.43 4.00	8.55 8.00				5.82 4.00		29.5 32.8	2569
3.24	4.32 4.00	9.90 8.00				0.76	2.34 4.00	36.6 34.0	2571
2.33	3.30 4.00	8.65 8.00				9.79 12.00		37.9 42.4	2574
		18.95 20.00						22.7 24.0	2275
	1.56 1.00		28.35 30.00	84	16			34.6 34.0	2894
3.06	3.75 4.00	16.00 16.00				3.48 4.00		43.2 44.8	2895
1.56	2.08 2.00	7.13 8.00				4.10 4.00		23.9 24.8	2587
		12.50 16.00						15.00 19.2	2902
1.55	2.04	8.40				5.12		26.9	2285
1.74	2.33	8.70				5.34		28.8	2602
1.46	2.20 2.00	9.35 8.00				5.34 6.00		29.2 27.2	2603

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
2908	Hall Seed Co., Louisville, Ky. †Halco 16% Superphosphate	Manufacturer's warehouse Guaranteed
2626 2915 2916	Hopkins Fertilizer Co., †Hopkins Old Time Steamed Bone	New Albany, Ind. Hall Seed Co., Louisville..... Hall Seed Co., Louisville..... Conner, Hayden Co., Bardstown
2327	International Agricultural International Multiple Strength 4-24-4	Guaranteed
3601	International Multiple Strength 4-24-12	Corporation, Cincinnati, O. V. B. Nuckols, Elkton
2628	†International Preferred Quality Tobacco Fertilizer	Guaranteed
2633	†International Tobacco and Potato Grower—Sulfate	Homer Thompson, Milton
2634		Guaranteed
2655	Jarecki Chemical Co., (Armour owned) Jarecki's Special Mixture 3-10-10..	Alva West and Co., Maysville..... J. T. Lawson, Greenup..... Guaranteed
2928	Joslin-Schmidt Corporation, Steamed Bone Meal	Cincinnati, Louisville, Nashville. Chenault and O'Rear, Mt. Sterling..... Guaranteed
2669	Raw Bone	Cincinnati, O. H. D. Jones, Glasgow..... Guaranteed
2667	Knoxville Fertilizer Co., Basic Bone Mix	Manufacturer
2687	Louisville Fertilizer Co., (Armour owned) Louisville 4-12-8 Fertilizer	Guaranteed
2689	National Chemical Co., Big Pay Ky. Special Tobacco Grower 2-8-5	Knoxville, Tenn. R. W. Scates, Crofton..... Guaranteed
		Cincinnati, Louisville, Nashville. Wilson and Son, Golden Pond..... Guaranteed
		Louisville, Ky. Augusta Conf. and Storage Co., Augusta Guaranteed

TABLE II.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
		14.55 16.00						17.5 19.2	2908
	3.06		24.15	56	44			36.4	2626
	3.08		25.15	53	47			37.5	2915
	3.76		23.60	73	27			38.6	2916
	2.47		27.00					36.9	
3.22	3.50	23.30				4.02		53.8	2627
	4.00	24.00				4.00		56.8	
1.66	1.66	24.75				13.60		60.1	3001
	4.00	24.00				12.00		66.4	
1.98	3.53	9.70				4.40	1.63	36.6	2628
	4.00	10.00					6.00	40.0	
2.10	2.84	7.75				2.53	3.80	31.7	2633
2.17	2.62	8.50				6.79		31.4	2634
	3.00	8.00					6.00	33.0	
2.30	2.86	10.15				4.72	4.51	39.1	2655
	3.00	10.00					10.00	42.0	
	4.22		22.10	83	17			39.0	2928
	1.65		27.00					33.6	
	0.93		33.55	59	41			48.4	2069
	3.70		22.00					36.8	
2.04	2.25	8.60				4.01		26.7	2667
	2.00	10.00				2.00		25.4	
3.16	3.16	10.40				5.33		34.6	2687
	4.00	12.00				8.00		43.6	
2.35	2.99	9.45				4.07		31.0	2689
	2.00	8.00				5.00		26.0	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
2695	National Chemical Co., Big Pay Blue Grass H. Gr. Tobacco Fertilizer 6-8-3	Louisville, Ky.—Con. Paducah Milling Co., Paducah..... Guaranteed
2696	Big Pay Potato Fertilizer 5-10-5.....	L. F. Wellman, Louisa
2703	North American Fertilizer Co., †N. A. Crady's Formula 2-10-4	Louisville, Ky. Farmers Supply Co., White Plains.....
2344	N. A. Tomato and Tobacco Fertilizer 2-12-6	G. W. Richardson, Somerset..... Guaranteed
2346	†N. A. Spl. Tobacco and Potato Fertilizer 3-8-6	Farm Bureau Supply Co., Elizabethtown Guaranteed
2348	N. A. Champion Potato and Tobacco Fertilizer 4-10-4	Farm Bureau Supply Co., Elizabethtown Walton and Readnour, Walton..... Guaranteed
2707		
2708	N. A. Champion Potato and Tobacco Grower 4-10-4	Swann and Harris, Lynn Grove..... A. T. Sanders and Co., Lancaster..... Guaranteed
2709		
1742	The Price Chemical Co., Inc., Steamed Bone Meal 2.47-24	Louisville, Ky. Manufacturer
		Guaranteed
2740	Read Phosphate Co., †Red Diamond 4-16-4	Nashville, Tenn. Cayce-Yost Co., Hopkinsville..... Guaranteed
1709	Red Diamond 4-12-4 Sulfate	Manufacturer
		Guaranteed
1960	The Smith Agricultural Chem. Sacco 0-10-10	Co., Columbus, O. Manufacturer
		Guaranteed
1492	Swift and Co., Inc., Fertilizer Swift's Red Steer 4-8-8	Works, St. Louis, Mo. Manufacturer
1501	Swift's Red Steer 45% Super- phosphate	Guaranteed
1505	Swift's Raw Bone Fertilizer	Manufacturer
		Guaranteed

TABLE II.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
4.10	4.42	10.50				2.70	0.80	38.7	2695
	6.00	8.00						40.5	
4.02	4.99	10.40				3.98	3.00	40.3	2696
	5.00	10.00				5.00		41.0	
1.29	1.89	10.45				3.34		27.3	2703
	2.00	10.00				4.00		27.8	
1.79	2.50	12.95				3.34		33.4	2344
	2.00	12.00				6.00		33.2	
1.51	1.94	8.50				6.98		28.9	2346
	3.00	8.00				6.00		31.2	
2.60	3.17	10.35				4.99		34.2	2348
2.04	2.60	10.50				3.92		30.9	2707
	4.00	10.00				4.00		35.8	
3.41	3.95	9.25				4.73		35.4	2708
3.00	3.78	10.45				3.83		35.4	2709
	4.00	10.00					4.00	37.0	
	1.40		29.85	79	21			35.5	1742
	2.47		24.00					33.9	
3.46	3.66	15.00				4.06		42.0	2740
	4.00	16.00				4.00		44.8	
2.84	2.84	14.10					4.71	39.6	1709
	4.00	12.00					4.00	40.0	
		9.05				9.98		25.6	1960
		10.00				10.00		27.0	
2.67	3.14	9.55				7.34		35.7	1492
	4.00	8.00				8.00		37.6	
		42.15						50.6	1501
		45.00						54.0	
	1.65		30.80	100				37.4	1505
	3.70		23.00					37.8	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
2767	Tennessee Chem. Co., (Armour owned)	Cincinnati, Louisville, Nashville.
2769	Ox 4-12-8 Fertilizer	J. J. Shaver, Mayfield
		M. L. Levy, Pembroke.....
		Guaranteed

TABLE II.

NITROGEN		PHOSPHORIC ACID		Percentage of Fineness		POTASH		Index of Relative Value	Station Number
Water Soluble	Total	Available	Total	Fine Bone	Medium Bone	Muriate	Sulfate		
3.92	3.92	12.70				7.19		43.4	2767
3.77	3.77	12.30				7.24		42.2	2769
	4.00	12.00				8.00		43.6	



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